California Department of Transportation

Stormwater Management Program

District 4 Work Plan

Fiscal Year

2018-2019

CTSW-RT-17-316.11.1

California Department of Transportation
Division of Environmental Analysis
Stormwater Management Program
111 Grand Avenue
PO Box 23660
Oakland, California 94623

http://www.dot.ca.gov/hq/env/stormwater

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California Department of Transportation
District 4 Certification
District Work Plan 2018-19

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]

Bijan Sartipi

9-25-17

Bijan Sartipi, District Director **Date**

District 04

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1 Introduction

General Information about the District Work Plan

The District Work Plans (DWPs) describe the organization of each California Department of Transportation (Caltrans) District's Stormwater Management Program and outline the planned stormwater activities for the upcoming fiscal year. They are prepared and submitted on October 1 each year. Since the DWP is District-specific, each Regional Water Quality Control Board (RWQCB or Regional Board) is provided a copy of the DWPs relevant to their jurisdiction.

This DWP presents information about District 4's water bodies, Best Management Practices (BMPs), and monitoring programs. It describes how the District will specifically implement the requirements of the Statewide Stormwater Management Plan (SWMP) during fiscal year 2018-19. Implementation activities will be conducted in accordance with the procedures presented in the SWMP. In addition, this DWP fulfills Provision E.3.b of the *National Pollutant Discharge Elimination System (NPDES) Statewide Stormwater Permit Waste Discharge Requirements (WDRs) for State of California Department of Transportation* (Order Number 2012-0011-DWQ, NPDES Number CAS000003, Effective July 1, 2013) (NPDES Permit). The NPDES Permit was amended by Orders WQ 2014-0006-EXEC (January 17, 2014), WQ 2014-007-DWQ (May 20, 2014), and WQ 2015-0036-EXEC (April 7, 2015). A conformed NPDES Permit was issued on April 7, 2015 (Conformed NPDES Permit or Caltrans NPDES Permit), available on the California State Water Resources Control Board's (SWRCB) website:

http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2012/wq2012_0011_dwq_conformed_signed.pdf

The DWP's eight sections describe how the District plans to implement the Stormwater Management Program during the upcoming fiscal year. Section 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Section 2 describes the personnel with stormwater operations responsibilities in the District. In Section 3, the District's facilities are listed and categorized by type and location. Section 4 describes and identifies the high-risk locations where spills from the District's owned rights-of-way, roadways or facilities can discharge directly to a drinking water reservoir or ground water recharge facility. In Section 5, the District's road segments that are prone to erosion are identified. Section 6 summarizes the District's implementation activities, including projects that will be in the design and construction phases during the fiscal year, maintenance projects, and planned stormwater monitoring activities. Section 7 identifies the planned region-specific activities (if applicable) to address the requirements listed in Attachment V of the Conformed NPDES Permit. Section 8 identifies deviations that occurred from the prior DWP that resulted or will result in noncompliance with the Conformed NPDES Permit or SWMP and describes improvements performed in response to the incidents of noncompliance.

District Goals and Commitments

The current goals of District 4 include: implementing sustainable practices that provide a safe transportation system for its users and workers; delivering efficient quality transportation projects and preserving the State's environmental resources; implementing public outreach efforts; and working with local partners to develop alternative compliance/watershed-based solutions that are cost-effective. The District plans to accomplish this by continuing to:

- Train staff on the Conformed NPDES Permit provisions related to new development and redevelopment requirements that require stormwater treatment and hydromodification control measures.
- Train staff on compliance requirements in the Construction General Permit (CGP).

- Train staff on the use of the updated Caltrans Stormwater Project Planning and Design Guide.
- Maintain relationships with the RWQCBs to meet our shared stormwater management goals by engaging in discussions that:
    - Establish consistency with Caltrans' statewide practices on stormwater treatment and hydromodification control requirements for projects that require Clean Water Act Section 401 Water Quality Certifications and/or Waste Discharge Requirements.
    - Establish a clear understanding on alternative compliance process when on-site stormwater treatment compliance measures have been determined infeasible based on engineering/economic feasibility considerations.
    - Successful implementation of construction site risk assessment and water pollution control measures designed to minimize the risk for pollutant discharges into receiving waters as required by the CGP, including the electronic filing of the following documents onto the State Water Resources Control Board's Stormwater Multi-Application & Report Tracking System (SMARTS): 1) Project Registration Documents (PRDs); 2) Notice of Intent (NOI) and; 3) Notice of Termination (NOT).
- Coordinate with local partners to provide guidance in the planning (design) phase to ensure compliance with new development and redevelopment requirement mandates that require incorporation of on-site stormwater treatment and hydromodification control measures; facilitate discussions with the RWQCBs on alternative compliance/off-site watershed based solutions.

Following are actions Caltrans will take in compliance with the Attachment IV (TMDL Requirements) and V (region-specific requirements) in the Conformed NPDES permit:

- Continue to work with local municipal separate storm sewer system (MS4) permittees to identify opportunities for partnerships through meetings with the Bay Area Stormwater Management Agencies Association (BASMAA) and by partnering with County stormwater management programs including the following programs: Alameda County Clean Water Program, San Mateo Countywide Water Pollution Prevention Program; Contra Costa County Clean Water Program; and the Marin County Stormwater Pollution Prevention Program, Fairfield-Suisun Urban Runoff Management Program, and Vallejo Sanitation and Flood Control District. Partnership considerations will include an annual TMDL compliance unit commitment per Attachment IV and trash reduction requirements in Attachment V of the Conformed NPDES permit; a common reach prioritization; and the implementation of BMPs that are effective for addressing the reduction of trash and other pollutants.

North Coast Region

To address sediment sources within sediment impaired watersheds, Caltrans will prepare an inventory of sources of excess sediment and quantify the discharge or threatened discharge in the North Coast RWQCB.

San Francisco Bay Region

Trash Load Reduction

Caltrans conducted an on-land visual assessment to identify areas that are generating very-high and high trash deposits. The assessment used a methodology like the methods used by local municipalities such that there are four trash generation areas categories: low, medium, high, and very high. Out of 1,100 centerline miles of roadway and 886 highway ramps, the field assessment identified approximately 24.1 highway centerline miles and 116 highway ramps that have high and very-high trash generation rates.

Caltrans submitted a Trash Reduction Work Plan in June 2016. San Francisco Bay Regional Water Quality Control Board issued a Notice of Violation (NOV) of Conformed NPDES Permit, for failure to demonstrate Timely Implementation of Trash Control Measures in December 2016.

In the February 2017 response to the NOV, Caltrans outlined the actions it will take to demonstrate timely implementation of trash control measures in high trash generating areas within the following high trash generating areas identified as the following:

- Freeway on- and off-ramps in high density residential, commercial and industrial land uses.
- Rest areas and park-and-rides.
- State highways in commercial and industrial land use areas.
- Other freeway segments as identified by maintenance staff and/or trash surveys.

Caltrans will continue to implement the following actions outlined in the February 2017 response to the NOV:

- Conduct joint visual assessments with MS4 permittees to reach consensus on the methodology to designate High, Medium and Low trash generation areas and revise the designations where needed. The revised visual assessment designations will be used to prioritize implementation of:
    - Full trash capture systems through drainage system retrofits within Caltrans Right of Way (right-of-way)
    - Full trash capture systems through drainage system retrofits outside Caltrans right-of-way in partnership with local MS4s that will treat both Caltrans and local MS4 sheds.
    - Source control measures control measures (enhanced manual pick up and street sweeping within Caltrans right-of-way, or cleanup efforts in partnership with local MS4s)
    - Public education efforts
- Continue Stormwater Treatment Feasibility Studies throughout the District (complete Phase 1 by December 2017; Phase 2 by December 2018; Phase 3 by December 2020) to identify opportunities for implementing stormwater treatment/full capture system retrofits within Caltrans right-of-way, or outside Caltrans right-of-way in partnerships with local (MS4) permittees.
- Develop Project Initiation Reports for programming stormwater treatment/full trash capture systems retrofits for candidate projects (identified through Phase 1, Phase 2 and Phase 3 studies and partnerships with MS4 permittees for work outside Caltrans' right-of-way) into the 2017 State Highway System Management Plan (Ten Year Plan) by June 30, 2019.
- Continue implementation of a pilot project on sections of Interstate 880 in Alameda County that proposes to evaluate full trash capture system technologies for addition to the Caltrans-approved BMP toolbox.
- Continue to implement source control measures, such as public education and outreach programs, litter pickup and street sweeping efforts.
- Develop a strategy to enhance implementation of street sweeping and manual pickup efforts by establishing a baseline for ongoing efforts in the designated high trash generation areas, and proposing enhancement of these measures above and beyond the established base line effort.
- Develop a crediting mechanism for source control trash reduction measures.

Stormwater Pump Stations

Caltrans will perform inspection and monitoring of pump stations in the San Francisco Bay Region. A total of 62 pump stations were inventoried within District 4. Pump stations within Caltrans District 4 were evaluated to determine which stations represented the greatest probability for discharging runoff with low dissolved oxygen (DO) into the local waterway(s). In accordance with the Caltrans NPDES permit, Attachment V, Part 2, Provision 2b, Caltrans inspected and collected DO data annually from 20 percent of the pump stations on the priority list. The inspection and monitoring results are reported in the District's Annual Report. Fiscal year 2018-2019 will be the fifth of five years in which inspection and monitoring have been conducted. Eighty percent of the pump stations on the priority list have been inspected and monitored for DO.

2 District Personnel and Responsibilities

Section 2 of the DWP describes positions, addresses, and telephone numbers of personnel with responsibilities for stormwater operations within the District. This section also identifies positions having signatory authority for various notifications or documents required for submittal by a District (e.g., Project Registration Documents (PRDs), including Notices of Intents or NOIs).

Water Quality Program Manager

The District Water Quality Program Manager (Manager) is the Office Chief of the Office of Water Quality and Mitigation. He supervises the Stormwater Coordination Branch, the Water Pollution Control Branch, the Water Quality Permits Branch, and the Erosion Control Branch. The Manager oversees all stormwater activities in the District. The Manager is also accountable for establishing an effective water quality/Stormwater Management Program and maintaining a liaison with Headquarters and District Program Managers (Division Chiefs) for effective communication, collaboration, and coordination of stormwater activities.

The responsibilities of the Manager are as follows:

- Direct District operations regarding water quality and stormwater.
- Align District efforts to interpret, implement, and comply with the Caltrans NPDES permit.
- Be the ultimate signatory authority in the District for all compliance documents and commitments regarding water quality and stormwater management.
- Work as the primary liaison on water quality and waste discharge issues between the District and Headquarters, the SWRCB, the RWQCBs, the U.S. Environmental Protection Agency (U.S. EPA), and other agencies.
- Arbitrate disputes and disagreements on policies, activities, assignments, and responsibilities regarding stormwater issues.
- Develop and establish the District's Public Education Program.

District NPDES Coordinator

The District NPDES Coordinator is responsible for providing technical assistance to guide staff in resolving water quality permitting issues and concerns related to project development design, construction and maintenance with respect to Caltrans compliance with the statewide NPDES Permit and project-specific permits from the RWQCBs and/or other resource agencies. The District NPDES Coordinator provides functional unit support to Project Managers, Project Engineers and other District and HQ functional units and Divisions for all phases of project activities, by providing support in obtaining project-specific permits from the RWQCB(s), and assisting with responding to enforcement actions from the RWQCBs.

The specific stormwater tasks for which the NPDES Coordinator is responsible for include:

- Serving as the focal point for the interpretation and implementation of the Caltrans NPDES Permit.
- Serving as the District's Stormwater Mitigation Program Advisor to develop and implement a work plan to ensure the District's performance objectives (stormwater treatment/compliance units) in the Ten-Year State Highway System Management Plan are met.
- Participating in coordination activities with Headquarters Stormwater Advisory Teams (SWATs) – Water Quality and Project Design.

- Preparing the Annual Report that summarizes the stormwater activities for District 4 and ensuring that the conditions of the Caltrans NPDES Permit have been met.
- Preparing the DWP annually in a manner that addresses future District goals and commitments in compliance with Caltrans' SWMP.
- Serving as the lead for the implementation of the DWP, fulfilling its commitments and reporting the progress in the Annual Reports.
- Ensuring Stormwater Data Report (SWDR) information at each phase of project development including Project Initiation Document (PID), Project Approval (PA), Plans, Specifications and Estimate (PS&E), and Construction is accurately uploaded to the Stormwater Portal.
- Coordinating with Resident Engineers and the DSWC to ensure permanent stormwater treatment control measures are built in accordance with the project plans, and document the as-built condition for treatment controls that will be included in the Integrated Maintenance Management System (IMMS) and into the Storm Drain System Inventory (SDSI).
- Coordinating with District Functional Unit stormwater coordinators to ensure that all activities are in compliance with the statewide permit.
- Assisting functional unit stormwater coordinators in implementing the Enforcement Response Program (ERP) to address and report non-compliance issues.
- Coordinating with RWQCBs to ensure that the project development processes in the SWMP are consistently implemented, and facilitating discussions to develop processes to address alternative compliance strategies for stormwater treatment that take engineering and economic feasibility into consideration.
- Coordinating with local MS4 permittees to identify opportunities for partnership on alternative stormwater treatment compliance projects.

District Stormwater Coordinator

The District Stormwater Coordinator (DSWC) is the Branch Chief of the Stormwater Coordination Branch. Under the general direction of the Manager, the DSWC is responsible for developing District stormwater quality policies and guidance, and daily management of the District Stormwater Management Program. The DSWC is responsible for identifying issues and developing recommendations related to stormwater quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises the staff that supports and executes activities related to the DSWC and to the Stormwater Management Program. The specific stormwater tasks for which the DSWC is responsible includes the following:

- Provide guidance and direction for the preparation, development, and implementation of a comprehensive District Stormwater Management Program.
- Oversee activities related to the notification procedures for the reuse of lead contaminated soil in accordance with the variances issued by the Department of Toxic Substances Control (DTSC).
- Monitor and evaluate the stormwater activities and procedures of municipalities, developers, and other agencies that encroach upon or administer projects within Caltrans' right-of-way.
- Establish impartial and equitable decisions that benefit Caltrans in attaining the objectives of the Stormwater Management Program.
- Provide stormwater quality language which is included in Design Project Reports.

- Prepare technical Water Quality studies to assess water quality impacts resulting from transportation improvements in compliance with the California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA).
- Prepare SWDRs, contract plans, PS&E for inclusion of permanent erosion and sediment control measures, including permanent stormwater treatment measures that are designed to improve or minimize a project's water quality impacts.
- Participate in the Design SWAT.
- Provide data for inclusion in the DWP and Annual Report.
- Assist in development of training programs.

Water Pollution Control Coordinator

The Water Pollution Control Coordinator (WPCC) is the Branch Chief of the Water Pollution Control Branch. The WPCC is responsible for working closely with the DNC and the Erosion Control Coordinator (ECC) to incorporate water pollution control recommendations into the planning, design, and construction of all projects in the District. The specific stormwater tasks for which the WPCC Coordinator is responsible include the following:

- Determine and evaluate stormwater impacts during CEQA/NEPA screening.
- Provide guidance in determination and evaluation of temporary impacts of construction activities upon stormwater during construction.
- Identify costs related to water pollution control, non-stormwater discharges, waste management, and de-watering activities on programming documents.
- Prepare contract PS&E for construction site water pollution control measures to comply with the CGP, and for additional project-specific control measures pertaining to handling and disposal of non-stormwater discharges, temporary stream crossings and temporary creek diversion systems.
- Prepare Stormwater Pollution Prevention Plans (SWPPPs), Permit Registration Documents (PRDs) and electronically filing NOI for obtaining coverage under the CGP prior to beginning construction.
- Assist the District Encroachment Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.
- Participate in the Design SWAT.
- Provides water quality language to be included in the Project Report.

Water Quality Permits Coordinator

The Water Quality Permits (WQP) Coordinator is the Branch Chief for the Water Quality Permits Branch. The WQP Coordinator is responsible for providing technical assistance to guide staff in resolving water quality permitting issues and concerns related to project development design, construction and maintenance with respect to Caltrans compliance with the statewide NPDES Permit and project-specific permits from the RWQCBs and/or other resource agencies. The WQP Coordinator provides functional unit support to Project Managers, Project Engineers and other District and HQ functional units and Divisions for all phases of project activities, by providing support in obtaining project-specific permits from the RWQCB(s), and assisting with responding to enforcement actions from the RWQCBs.

The specific stormwater tasks for which the WQP Coordinator is responsible for include:

- Serving as the focal contact to the RWQCB for any permitting requirements that may impact waters of the U.S. and/or waters of the state due to construction and maintenance activities.
- Coordinating the preparation of Technical Water Quality Studies during Project Approval/Environmental Document (PAED) phase.
- Coordinating with the RWQCBs prior to completion of PAED phase, to reach consensus on the strategy for avoidance and minimization of impacts to waters of the State (including scheduling, construction site water pollution control and stormwater treatment/hydromodification control measures), and the mitigation strategy for unavoidable impacts to waters of the State.
- Prepares CWA Section 401 Water Quality Certification and/or Waste Discharge Requirements (WDRs) and Caltrans NPDES Permit applications.
- Coordinate with Districts functional units to ensure environmental commitments in the project-specific 401 Water Quality Certifications/WDRs are accounted for in the project work plans and fulfilled during the construction and post-construction phases prior to project closeout.

Erosion Control Coordinator

The Erosion Control and Mitigation Branch facilitates the incorporation of erosion and sediment control recommendations into the planning, design, and construction of all projects within District 4. The Erosion Control and Mitigation Branch Chief is the Erosion Control Coordinator (ECC) and responsible for working closely with the Water Pollution Control Coordinator (WPCC) and the District Stormwater Coordinator (DSWC) to incorporate erosion control recommendations into the planning, design, and construction of all projects in the District. The ECC also provides field support to Construction, Maintenance, and Permits. The specific stormwater tasks for which the Erosion Control Coordinator (ECC) is responsible include the following:

- Determine and evaluate stormwater impacts during CEQA/NEPA screening.
- Evaluate and recommend the vegetation-type for the permanent control and treatment control measures for addressing project stormwater impacts.
- Identify costs related to erosion control and on-site mitigation/restoration work on programming documents.
- Prepare and/or review the contract PS&E for inclusion of permanent and/or temporary erosion and sediment control measures that are designed to improve or minimize a project's water quality impacts.
- Prepare NOTs. Upon completion of a project's construction, the ECC will electronically file the required supporting documentation that terminates coverage under the CGP.
- Ensure that reuse locations of soil-containing lead in accordance with variances issued by Department of Toxic Substances Control (DTSC) are not subject to erosion and are stabilized as part of project design.
- Assist the District Encroachment Permits Branch in evaluating encroachment permit application erosion control requirements.
- Conduct studies that explore options for improving water quality objectives on highway planting projects.
- Assist in development of training programs -especially training programs that are attributed to tasks performed by the Erosion Control staff.

- Participate in the Design SWAT.
- Provides Erosion Control language to be included in the Water Quality section of the Design Project Report.

The ECC acts as the liaison with the Headquarters Office of Landscape Architecture to develop, submit, review, and gain approval for all specifications and details related to erosion and sediment control. Furthermore, the ECC is the contact for the Headquarters Design Program in the approval or concurrence with specifications related to water pollution control related to erosion and sediment control.

Construction Environmental Engineering Support Coordinator

The Construction Environmental Engineering Support Coordinator (CEESC) is responsible for providing technical support to the Resident Engineer (RE) to ensure compliance with the Caltrans Statewide NPDES Permit, Construction General Permit (CGP), project-specific Clean Water Act Section 401 Certifications/Waste Discharge Requirements (WDRs) and other NPDES permits for dewatering discharges.

CEESC is responsible for reviewing and recommending approval to the RE for all District 4 Water Pollution Control Programs (WPCPs) and Stormwater Pollution Prevention Plans (SWPPPs), including Dewatering and Discharge Plans (DDPs) and Temporary Creek Diversion System Plans (TCDSPs). The CEESC will submit approved SWPPPs or other reports to the RWQCBs and the Stormwater Multi-Application Reporting and Tracking System (SMARTS) as required.

The CEESC ensures that all enforcement actions or corrections requested by the RWQCBs are promptly implemented, and documented. The CEESC serves as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff. The CEESC also supports the design related functional units in determining specific project needs and evaluation of water pollution control measures in the field.

Construction Stormwater Coordinator

Under the general direction of the Division of Construction (Construction), the Construction Stormwater Coordinator (CSWC) is responsible for developing stormwater quality policies and guidance, and daily management of Construction's stormwater quality program. The CSWC is responsible for the proper implementation of the SWMP and the DWP within Construction. The CSWC supervises staff, which implements the program requirements in the field during the construction phase. The specific tasks for which the CSWC will be responsible include:

- Work as the primary point of contact for stormwater issues during the construction phase.
- Develop and administer stormwater training for Construction staff.
- Track critical compliance milestones that occur before and during construction.
- Conduct final project closeout inspections. The CSWC submits final project closeout inspection results to the WQPC, which provides RWQCBs with NOCC/NOT for SWPPP projects.
- Review SWPPPs and provide oversight inspections for SWPPP projects.
- Prepare and submit Illicit Connection/Discharge reports for Construction.
- Participate on the Construction SWAT identified in the SWMP and represent Construction in the Stormwater Management Committee (SWMC) meetings.
- Provide data for the Annual Report.
- Provides WQPC with Final SWPPP Close-Out report for NOCC documentation.

The CSWC ensures that all enforcement actions or corrections requested by the RWQCBs are promptly implemented, and documented. The CSWC serves as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff. The CSWC also supports the design related functional units in determining specific project needs and evaluation of water pollution control measures in the field.

Maintenance Coordinator

The Maintenance Coordinator is responsible for communicating with the District Division Chiefs of Maintenance and the Maintenance Operation Team (MOT) regarding the proper implementation of maintenance related sections of the SWMP and the DWP. The Maintenance Coordinator reports all stormwater related maintenance activities to the SWMC. The specific stormwater tasks for which the Maintenance Coordinator is responsible include:

- Oversee maintenance activities to ensure compliance with environmental permits and the SWMP.
- Review, monitor, and evaluate BMP implementation and effectiveness for Maintenance activities.
- Coordinate stormwater training for District Maintenance staff.
- Oversee Vegetation Control Plan (VCP) compliance and prepare VCPS.
- Conduct Facility Pollution Prevention Plan (FPPP) inspections and prepare FPPPs.
- Participate in the Maintenance SWAT as identified in the SWMP and represent Maintenance in the SWMC Meetings.
- Review SWDRs and other project reports for SWPPP projects to ensure compliance with Maintenance requirement as well as ensure maintainability of stormwater control measures upon completion of construction.
- Serve as the primary contact for Maintenance related activities with regulatory agencies.
- Provide data for the DWP and Annual Report.

The Maintenance Coordinator is chairperson of the MOT that meets routinely to discuss water quality issues, update the Maintenance portion of the DWP, and compile information for the Annual Reports as well as the SWMP. The Maintenance Coordinator also serves as the conduit for information between the SWMC and maintenance offices, as well as the Headquarters Maintenance Program (especially the Maintenance SWAT as identified in the SWMP).

Right-of-Way Representative

The Right of Way (ROW) Representative is a member of the SWMC and is responsible for the following:

- Attend all SWMC meetings and report any ROW stormwater activities.
- Ensure that stormwater training is available to ROW Agents tasked with property inspection responsibilities.
- Ensure that regular property inspections include stormwater inspections.
- Maintain documentation of the inspection findings and corrective actions.
- Prepare a summary of completed stormwater property inspections for use in the Annual Report.
- Disseminate information and answer questions regarding Caltrans' stormwater policy to all ROW staff involved in stormwater inspections.
- Notify the SWMC and/or the DNC of discharges or situations that appear to be in gross violation of the Permit, the SWMP, and the DWP.

- Report instances where ROW may conduct construction activities that require the development of a SWPPP and related notification.
- Provide ROW information for water quality permit applications.

Engineering Services (Hydraulics) Representative

The Engineering Services (Hydraulics) Coordinator is a member of the SWMC and is responsible for providing information that is being planned, designed, and implemented on construction project as related to permanent hydrology control measures, except those related to erosion control. The Hydraulics Coordinator is responsible for providing input and review of the Annual Report and District Work Plans (DWP). In addition, the Hydraulics Coordinator also ensures:

1. The management and staff of the Hydraulics Group are aware of the following information and activities:
    a. The District Work Plan;
    b. The implementation of various water pollution control strategies throughout the District and;
    c. Our commitments to minimize or prevent pollutants from being present in our discharges.
2. The design processes used by the Hydraulics Group are consistent with the DWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

Public Affairs Representative

The Public Affairs Coordinator is a member of the SWMC and is responsible for maintaining an effective public information program as specified in this DWP. The Public Affairs Coordinator is directly responsible for the following:

- Ensures publication of stormwater articles within District publications (e.g., newsletters).
- Provides incident information for spill reports, water quality permit applications, and other reports/notifications submitted to various agencies.
- Distributes the District's stormwater pamphlets.
- Develops and distributes public service announcements regarding stormwater.
- Ensures that stormwater information is available at miscellaneous events, such as county fairs and fleet week, for which Caltrans might be a participant.

Encroachment Permits Coordinator

The Encroachment Permits Coordinator, a member of the SWMC, is responsible for ensuring that the District Office of Permits complies with the Permit, the SWMP, and the DWP. The Office of Permits is responsible for issuing Encroachment Permits to local agencies, utility companies, and others (i.e., film production companies, marathon sponsors, etc.) that encroach into Caltrans' right-of-way for conducting construction, maintenance, or other activities necessary for their organization. The Encroachment Permits Coordinator ensures that all the activities by those permittees encroaching into Caltrans' right-of-way comply with the Project's Encroachment Permit, in a manner that is consistent with that required of Maintenance, Construction, and Design. The Encroachment Permit Branch also reviews the SWPPP and WPCP for encroachment permit projects. The Encroachment Permits Coordinator is directly responsible for the following:

- Provide guidance on preparing Stormwater Data Reports (SWDRs) and Water Quality Study Reports (WQSRs), as well as review and approve SWDRs and WQSRs.

- Ensure the accuracy and adequacy of the stormwater workload allocations for each fiscal year and coordinate and track resource distributions, workload, and projects within the District.
- Assist the District's functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations.
- Implement a quality assurance and quality control (QA/QC) program for monitoring the activities of the District functional units, to ensure that the conditions of the Permit, the SWMP, and the DWP are implemented properly.
- Provides the guidance and direction necessary to develop strategies for addressing regulations and mandates on stormwater and waste discharges set forth by federal, state, and local regulatory agencies.
- Work as leader and chairperson of the District Stormwater Management Committee (SWMC) as well as represent the District at the Stormwater Advisory Team meetings.

Table 2-1 lists staff members responsible for implementing the Stormwater Management Program.

Table 2-1: District 4 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
Hardeep Takhar	District Water Quality Program Manager	(510) 715-6816	hardeep_s_takhar@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Vacant	District NPDES Coordinator	(510) 715-6816	hardeep_s_takhar@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Norman Gonsalves	District Stormwater Coordinator	(510) 286-5930	norman_gonsalves@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Kamran Nakhjiri	Water Pollution Control Coordinator	(510) 286-5664	kamran_nakhjiri@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Cyrus Vafai	Water Quality Permits Coordinator	(510) 286-5585	cyrus_vafai@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Vacant	Erosion Control Coordinator	(510) 286-5662	hardeep.takhar@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Dragomir Bogdanic	District Construction Environmental Engineering Support Coordinator	(510) 622-0716	dragomir_bogdanic@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.

Table 2-1: District 4 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
John Muench	District Construction Stormwater Coordinator	(510) 286-5200	john_muench@ dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Gary Mears	Maintenance Coordinator	(510) 715-8474	gary_mears@ dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Nancy Bocanegra	Right of Way Representative	(510) 286 5420	nancy_bocanegra@ dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Sharon Patch	Hydraulics Coordinator	(510) 286-4869	sharon_patch@ dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Myeast McCauley	Public Affairs Coordinator	(510) 286-5522	myeast_mccauley@ dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Marisa Muliadi-Kleiber	Encroachment Permits Coordinator	(510) 622-0138	Marisa_muliadi-Kleiber@ dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.

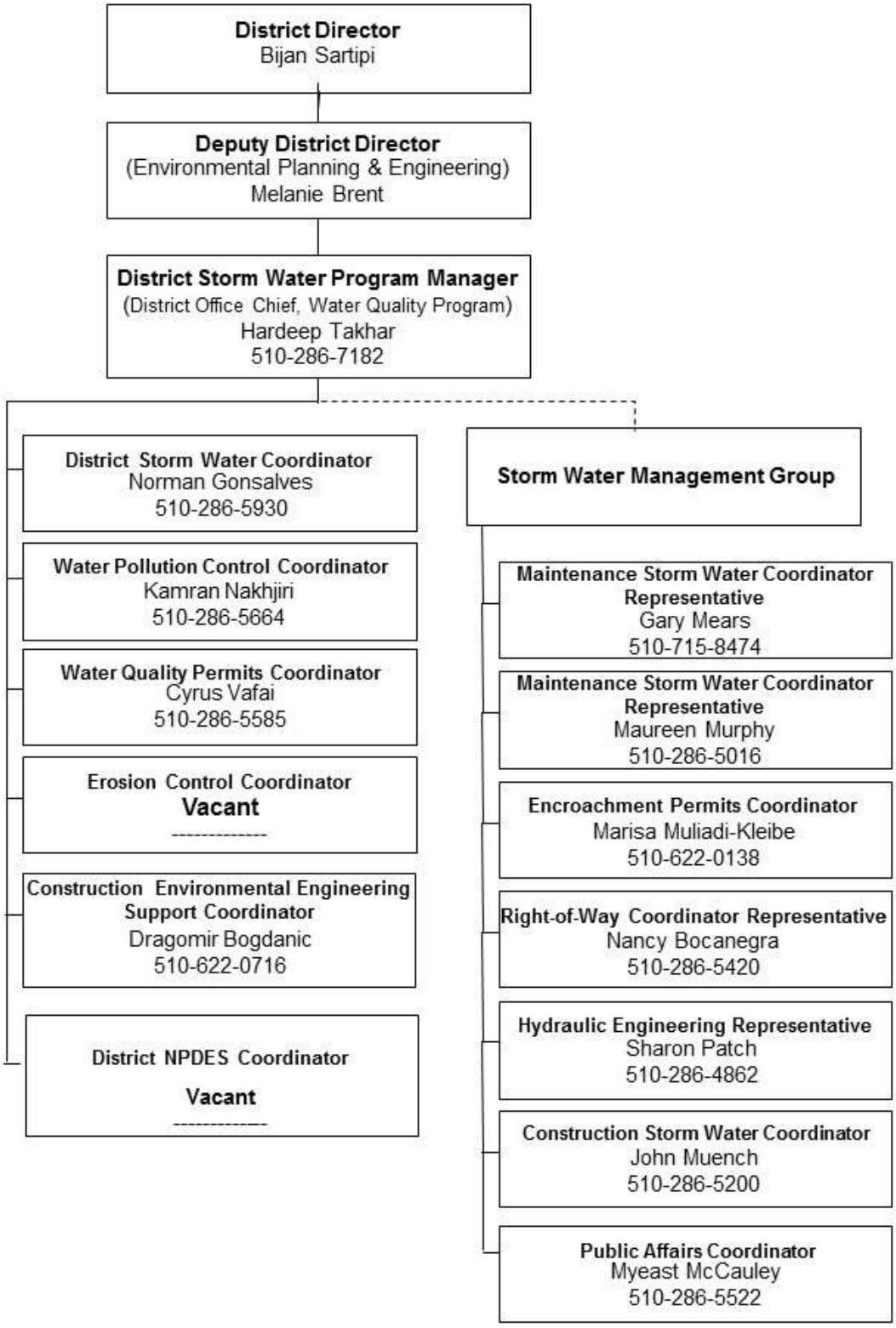
Table 2-2 lists individuals authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Stormwater Management Program. It also includes delegation of signatory authority for key Conformed NPDES Permit and SWMP required documents.

Table 2-2: District 4 Signatory Authority for Key Documents

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
Bijan Sartipi District Director	(510) 286-5900	bijan_sartipi@ dot.ca.gov	All District Documents
Hardeep Takhar Water Quality Program Manager	(510) 715-6816	hardeep_s_takhar@ dot.ca.gov	All District Documents except District Work Plan
Vacant NPDES Coordinator	(510) 715-6816	hardeep_s_takhar@ dot.ca.gov	All District Documents except District Work Plan
Norman Gonsalves Stormwater Coordinator	(510) 286-5930	norman_gonsalves@ dot.ca.gov	All District Documents except District Work Plan
Kamran Nakhjiri Water Pollution Control Coordinator	(510) 286-5664	kamran_nakhjiri@ dot.ca.gov	Completing and filing Notice of Intent (NOI) documentation for obtaining coverage under CGP
Vacant Erosion Control Coordinator	(510) 286-5662	david_yam@ dot.ca.gov	Completing and filing Notification of Termination (NOT) documentation for terminating coverage under CGP
Dragomir Bogdanic Construction Environmental Engineering Support Coordinator	(510) 622-0716	dragomir_bogdanic@ dot.ca.gov	Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification
Gary Mears Maintenance Stormwater Coordinator and Laura Horan Hazardous Materials Manager	(510) 286-4436 (510) 286-4492	susan_simpson@ dot.ca.gov laura_horan@ dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illegal Connection/Illicit Discharge (IC/ID)
Encroachment Permits Coordinator	(510) 622-0138	Marisa Muliadi-Kleiber@ dot.ca.gov	SWPPPs, NOC/NCC, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of IC/ID
Chris Wilson Environmental Engineering Coordinator	(510) 286-5647	chris_r_wilson@ dot.ca.gov	Notice of Soil Reuse with Aerially Deposited Lead (ADL)
Resident Engineers	Various – project dependent	various – project dependent	SWPPP, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, NOC/NCC
Nancy Bocanegra Right-of-Way Representative	(510) 286-5420	nancy_bocanegra@ dot.ca.gov	SWPPPs, NOC/NCC, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of IC/ID
Gary Mears Maintenance Stormwater Coordinator	(510) 715-8474	gary_mears@ dot.ca.gov	FPPP

Figure 2-1 shows an organizational chart describing key persons with responsibilities for stormwater operations within the District.

Figure 2-1: District 4 Organizational Chart



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3 District Facilities and Water Bodies

Section 3 of the DWP identifies maintenance stations (including crew functions and street addresses), vista points, commercial vehicle enforcement areas, roadside rest areas, park and ride facilities, toll road and bridge plazas, equipment shops, and other Caltrans facilities. Facility Pollution Prevention Plans (FPPPs) are prepared and implemented at Maintenance facilities within the District's boundaries, such as maintenance stations, material storage facilities, and equipment shops. To comply with Department of Homeland Security policy, the table and map identifying these facilities is not available to the public. For more information, contact Caltrans' Office of Emergency Management or Division of Environmental Analysis.

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4 Drinking Water Reservoirs and Recharge Facilities

Section 4 of the DWP describes and identifies the high-risk areas, which are locations where spills or other releases from District-owned rights-of-way, roadways, or facilities may discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Projects that potentially drain to these high-risk areas consider project features that enhance spill response.

Drinking water reservoirs and recharge facilities are areas such as locations where spills from District-owned rights-of-way or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. To generate the list of municipal, domestic water supply reservoirs, and ground water percolation facilities, the District first contacted known public and private water supply providers. From the information received, the District determined which facilities were susceptible to a direct spill from a District activity or facility. This determination was based on proximity between the water body and the District's facility, use characteristics of the facility, and the probable spill response time.

When planning projects within these defined areas, District 4 considers project design features for aiding in the prevention of accidental spills that could impact the area; these features are typically commensurate with safety improvements for reducing vehicle accidents. Examples of these features may include, but are not limited to, median barrier, guardrail, signalization, and vehicle restrictions. Features considered for improving spill response time typically include elongated drainage paths, call boxes, signage, or video surveillance.

A list of drinking water reservoirs and recharge facilities within District 4 is presented in Table 4-1.

Table 4-1: District 4 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
Route 128	Napa County	2	Lake Berryessa	Lake Berryessa is used as a domestic water supply.	The tight curves and steep grades along this section of Route 128 deter truck traffic resulting in a reduced exposure to hazardous spills.
None	Alameda	2	Bethany Reservoir	Located in eastern Alameda County	Does not receive runoff from a state route
None	Alameda	2	Lake Chabot	Located in Alameda County	Does not receive runoff from a state route
None	Alameda	2	Lake Del Valle	Located in southeastern Alameda County	Does not receive runoff from a state route
Routes 84 and 680	Alameda	2	San Antonio Reservoir	Its purpose is to store water for the Hetch Hechy Aqueduct and local wells and watersheds.	Located two miles from State Route 084 and Interstate 680.
Routes 24 and 13	Alameda	2	Lake Temescale	Located in the Oakland hills	Potentially received runoff from Highways 24 and 13.

Table 4-1: District 4 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
None	Alameda	2	Whitfield Reservoir	Open water storage facility	Does not receive runoff from a state route
None	Contra Costa	2	Briones Reservoir	Located two miles north of Highway 24 in Orinda	Does not receive runoff from a state route
Route 4	Contra Costa	2	Clifton Court Forbay	Located 1 mile south of Highway 4	Potentially received runoff from Highway 4
Route 24	Contra Costa	2	Lafayette Reservoir	Located just south of Highway 24 in Orinda	Potentially received runoff from Highway 24
None	Contra Costa	2	Las Vaqueros Reservoir	Located in south eastern Contra Costa County near the Alameda County Line	Does not receive runoff from a state route
None	Contra Costa	2	San Pablo Reservoir	Located two miles north of Highway 24 in Orinda	Does not receive runoff from a state route
None	Marin	2	Nicasio Reservoir	Located one mile east of Highway 1.	Does not receive runoff from a state route
Route 128	Napa	2	Lake Hennessey	Locate along Highway 128	Potentially receives runoff from route 128
None	Napa	2	Rector Reservoir	Located northeast of Yountville	Does not receive runoff from a state route
None	San Francisco	2	Laguna Honda Reservoir	Located in San Francisco	Does not receive runoff from a state route
None	San Francisco	2	Sunset Reservoir	Located in San Francisco	Does not receive runoff from a state route
280	San Mateo	2	Bear Gulch Reservoir	Located in the city of Atherton northeast of Highway 280	Potentially received runoff from Highway 280
280/35	San Mateo	2	Crystal Springs Reservoir	Located along Highways 280 and 35	Potentially receive runoff from highway 280 and 35
280/35	San Mateo	2	San Andreas Lake	Located along Highways 280 and 35	Potentially receive runoff from highway 280 and 35
17	Santa Clara	3	Almaden Reservoir	Located approximately 5 miles east of Highway 17	May receive runoff from highway 17
101	Santa Clara	2	Anderson Lake	Located one mile east of Highway 101.	Does not receive runoff from a state route
680	Santa Clara	2	Calaveras Reservoir	Located 4 miles east of Highway 680	Does not receive runoff from any state route
101	Santa Clara	2	Calero Reservoir	Located 2 miles west of Highway 101	Does not receive runoff from any state route

Table 4-1: District 4 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
101	Santa Clara	2	Chesbro Reservoir	Located 4 miles west of Highway 101	Does not receive runoff from any state route
101	Santa Clara	2	Coyote Lake	Located 2 miles east of Highway 101	Does not receive runoff from any state route
101	Santa Clara	2	Lake Cunningham	Located 2 miles east of Highway 101	Does not receive runoff from any state route
17	Santa Clara	3	Lake Elsman	Located 2 miles east of Highway 17	Does not receive runoff from any state route
None	Santa Clara	2	Guadalupe Reservoir	Located in the mountains of south of San Jose	Does not receive runoff from any state route
17	Santa Clara	3	Lexington Reservoir	Located adjacent to Highway 17	May receive runoff from Highway 17
85	Santa Clara	2	Stevens Creek Reservoir	Located 1 mile west of Highway 85	Does not receive runoff from any state route
101	Santa Clara	2	Uvas Reservoir	Located 5 miles west of Highway 101	Does not receive runoff from any state route
128	Sonoma	2	Lake Sonoma	Located in Geyserville just west of Highway 128	Does not receive runoff from any state route

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5 Slopes Prone to Erosion

Section 5 of the DWP identifies the road segments within District 4 that have slopes which are prone to erosion and sediment discharge. The road segments that are in sensitive watersheds, or where there is an existing or potential threat to water quality, will be prioritized for implementing appropriate controls to the maximum extent practicable. In each Annual Report, the status of stabilization activities where applicable will be reported. Table 5-1 is District 4's inventory of vulnerable road segments where erosion occurs and stabilization may be required, or where rock cut slopes are located and rock falls have occurred.

Table 5-1: District 4 Inventory of Road Segments Prone to Erosion

Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
Route 84B	Alameda	2	Alameda Creek	TBD
Route 24	Contra Costa	2	Pinole	TBD
Route 24	Contra Costa	2	Pinole	TBD
Route 680	Contra Costa	2	Concord Walnut Creek	TBD
Route 101	Marin	1	Novato	TBD
Route 29	Napa	2	Napa River	TBD
Route 128	Napa	5	Berryessa Capell Creek	TBD
Route 9	Santa Clara	3	Santa Cruz San Lorenzo	TBD
Route 9	Santa Clara	2	Palo Alto	TBD
Route 84	San Mateo	2	San Gregorio Creek	TBD
Route 84	San Mateo	2	Palo Alto	TBD
Route 84	San Mateo	2	San Gregorio Creek	TBD
Route 80	Solano	2	San Pablo Bay	TBD
Route 128	Solano	5	East Rocky Ridge	TBD
Route 1	Sonoma	1	Estero Americano	TBD
Route 1	Sonoma	1	Lower Russian River	TBD
Route 1	Sonoma	1	Russian Gulch	TBD
Route 1	Sonoma	1	Gualala River	TBD
Route 116	Sonoma	1	Lower Russian River	TBD
Route 116	Sonoma	1	Lower Russian River	TBD
Route 128	Sonoma	1	Middle Russian River	TBD

Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 4 in 2016, including rock cut slopes, landslides, and moderate soil erosion.

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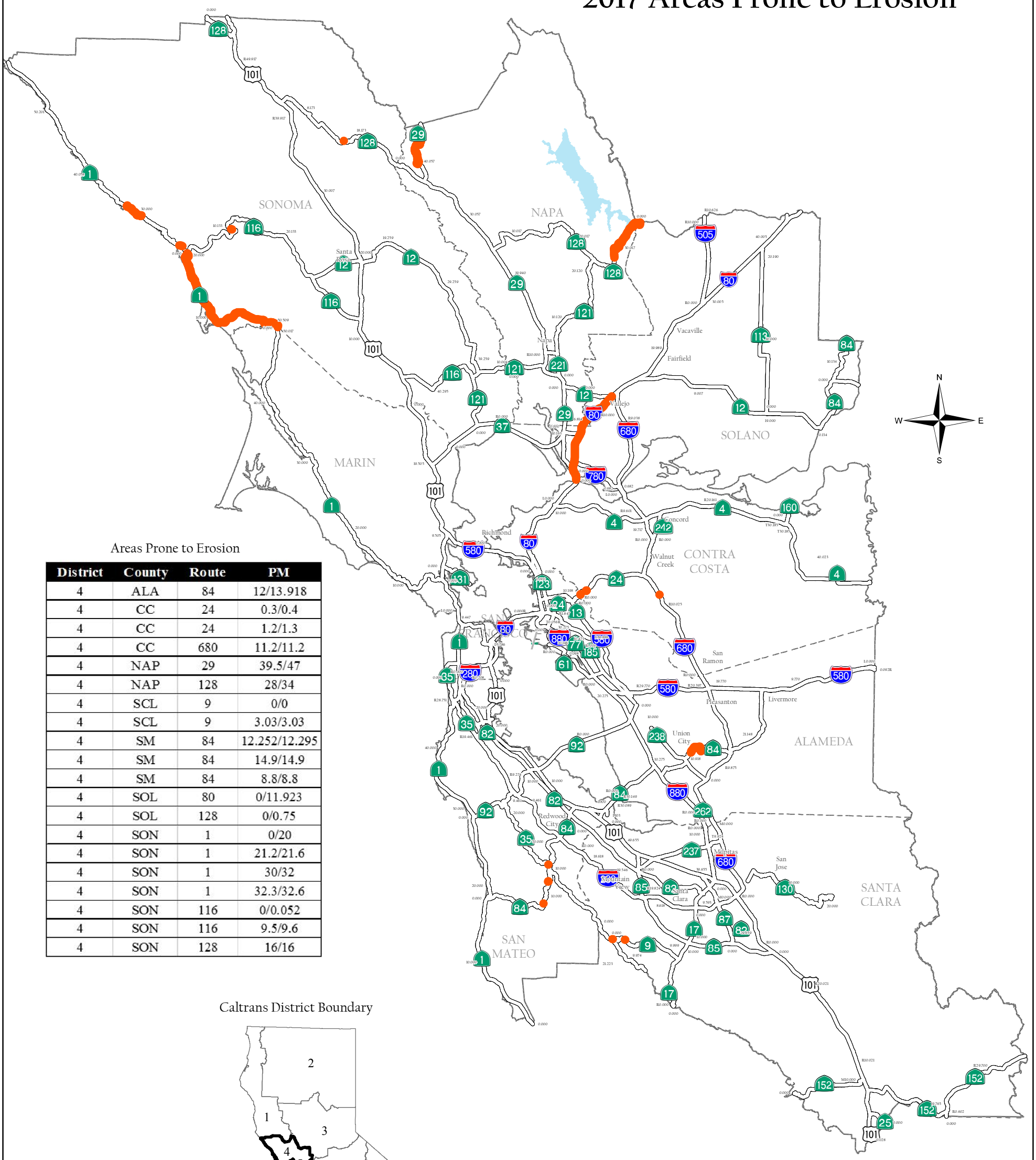
Figure 5-1

District 4

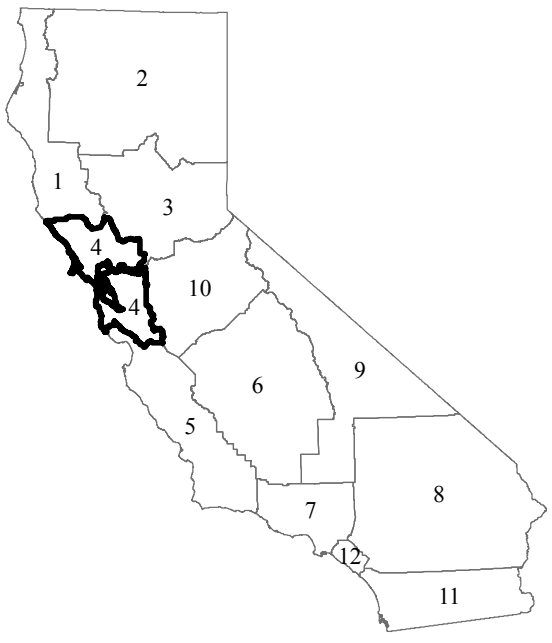
California State Highway System
2017 Areas Prone to Erosion



Areas Prone to Erosion

District	County	Route	PM
4	ALA	84	12/13.918
4	CC	24	0.3/0.4
4	CC	24	1.2/1.3
4	CC	680	11.2/11.2
4	NAP	29	39.5/47
4	NAP	128	28/34
4	SCL	9	0/0
4	SCL	9	3.03/3.03
4	SM	84	12.252/12.295
4	SM	84	14.9/14.9
4	SM	84	8.8/8.8
4	SOL	80	0/11.923
4	SOL	128	0/0.75
4	SON	1	0/20
4	SON	1	21.2/21.6
4	SON	1	30/32
4	SON	1	32.3/32.6
4	SON	116	0/0.052
4	SON	116	9.5/9.6
4	SON	128	16/16

Caltrans District Boundary



Areas Prone to Erosion

County Boundary

Water Feature

NOTE:

Map indicates locations of Major/Minor storm damage repair activities conducted on three (3) consecutive years by the Division of Maintenance. Erosion data obtained from IMMS.

Caltrans

State of California
Department of Transportation
Division of Maintenance GIS
July 19,2017
C:\GIS\Erosion\MXD\2017_District04.mxd

0 4 8 16 24 32 Miles

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6 Implementation

Section 6 of the DWP identifies the specific projects in which work is planned during the fiscal year within the Project Approval/Environmental Document (PA/ED), Plans, Specifications, and Estimates (PS&E), and Construction development phases. The anticipated schedule of construction and maintenance projects is subject to change. These projects are limited to those meeting any of the following criteria:

1. All projects that require soil disturbing activities
2. Adjacent to a Drinking Water or Ground Water Recharge Facility, as described in Section 4 of the DWP
3. A supplemental environmental project
4. Additional projects per agreement between the District and local RWQCB

Projects listed in Table 6-1 include (where applicable):

1. Location (county, route and post mile limits)
2. Project number (expense authorization)
3. Basic Project Description
4. Disturbed soil area
5. Presence of receiving waters within or adjacent to project limits, with special designation for 303(d) listed water bodies (adopted)
6. Drinking Water Reservoir or Ground Water Recharge Facility within or adjacent to project (as identified in Section 4 of the DWP)
7. Projected milestone dates of PA/ED, PS&E, begin Construction, and end Construction
8. Description of Construction Controls
9. Post-Construction Treatment Controls (types and quantities)
10. Dredge and fill (CWA-401) activities within the project
11. Other Regional Water Control Board Permits Required
12. Potential and Actual Impacts of Project's Discharge
13. Area of New Impervious Surface
14. Percentage of New Impervious Surface to Existing Impervious Surface

The updated lists of projects meeting these criteria will also be provided to the RWQCB annually on October 1st. Furthermore, this section identifies planned maintenance projects with soil disturbance. Information associated with the project includes location, affected water body, and area of disturbance. In addition, this section also describes the planned stormwater monitoring activities within the District; however, these activities may be conducted jointly with other Districts and HQ. Consequently, the information contained in a DWP may be repeated in another DWP.

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Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
1	01350	SF	80	7.8	8.2	-	Landscape and Restore Vegetation	San Francisco Bay-Central	-	N	N	-	0	N/A	WPCP	E	-	9/15/18	1/15/19	1/15/22
2	01352	SF/ ALA	80	8.6 (SF)	1.2 (Ala)	-	Remove Bridge and Salvage Elements	San Francisco Bay-Central	Y	N	Y	1.2	0	N/A	SWPPP	E	7/11/01	3/20/14	4/17/15	3/28/18
3	01357	59V04	80	8.5	8.9	-	In the City of San Francisco from 0.8 Mile East of Yerba Buena Tunnel to 1.1 Mile West of Toll Plaza	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	3/9/16	3/30/16	12/28/18
4	01358	59V04	80	8.3	8.3	-	In the City of and County of San Francisco from 0.6 Mile East of Yerba Buena Tunnel and in Alameda County from 0.9 Mile West of Toll Plaza to 1.3 Mile West of Toll Plaza.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	12/3/18	1/2/19	9/1/21
5	01413	ALA	80	1.8	1.9	2	Building Renovations and Site Improvements	San Francisco Bay-Central	N	N	N	0.5	0.05	6	WPCP	E	-	3/31/15	11/4/15	9/25/17
6	15531	ALA	238	11.2	R12.9	2	Right of Way Activities for Land Disposition of Hayward Bypass Properties	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/1/16	10/1/17	-	-
7	16030	ALA	84	13	13.6	2	Replace Bridge	Alameda Creek	Y	N	Y	3.5 – 4.2	1.29 – 1.74	-	SWPPP	-	6/30/17	1/1/19	12/8/19	12/1/22
8	17247	ALA	Var	0	0	2	Environmental Mitigation (Site 2)	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/18/18	8/2/19	11/1/19	1/18/24
9	20950	MRN/ SON	1	50.2 (MRN); 0.0 (SON)	50.5 (MRN); 0.2 (SON)	1	Bridge Replacement	Americano Creek, Estero Americano	Y	N	Y	1.7	1.35	130	SWPPP	BIOSWL, 4	1/30/15	5/3/16	1/30/17	12/30/18
10	23536	SM	101; 84	5.1 (101); 25.3 (84)	6.0 (101); 25.7 (84)	2	Interchange Improvement	Redwood Creek	N	N	Y	20.9 – 28.9 (w/in CT right-of-way)	14.8 – 22.9 (w/in CT right-of-way)	106 – 185 (w/in CT right-of-way)	SWPPP	BIOSTP/BIOSWL preferred	12/19/16	12/1/18	-	8/1/23
11	23562	SM/ SCL	101	0.0 (SM)/ 52.5 (SCl)	0.0 (SM)/ 52.5 (SCl)	2	Bridge Replacement	San Francisquito Creek	Y	N	Y	2.43	0.16	-	SWPPP	BIOSWL, 1	3/14/12	11/19/14	5/11/15	11/28/17
12	23584	SM	101	16.3	17.1	2	Interchange Reconstruction	Mills, Easton and Sanchez Creeks, and San Francisco Bay-Lower	Y	N	Y	7.9 (w/in CT right-of-way)	4.87 (w/in CT right-of-way)	>100	SWPPP	BIOSWL, 8	3/24/11	8/30/13	7/17/14	1/25/18
13	25460	SM	1	41.7	43.0	2	Operational Improvement	Calera, Rockaway and Sanchez Creeks, and Laguna Salada	Y	N	Y	10.2	7.01	-	SWPPP	BIOSTP, 1; BIOSWL, 5	8/2/13	3/1/19	4/1/20	4/1/22

[1] Regional Board
[2] Supplemental Environmental Projects designated as "SEP." [Note: This Project Description should match the project description shown in the Project Resourcing and Schedule Management (PRSM) database.]
[3] Projects adjacent to Drinking Water Reservoirs or Ground Water Recharge Facilities are noted (DW) and (GW), respectively.
[4] Water bodies with a 303(d) designation are noted in parentheses.
[5] If yes, a 401 permit will be required for this project. NA = Not Available at this time.
[6] Regional Water Board Permits required other than Construction General Permit and Clean Water Act Section 401 water quality certification, such as Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.
[7] This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.
[8] A description of the Construction Controls is available in the project's SWPPP, WPCP, or is To Be Determined (TBD) if the Disturbed Soil Area is unavailable.
[9] Treatment Control Status identified by: device type/number of devices, exempt ("E"), or under consideration ("C"). See Treatment Control Status Legend below for device type abbreviations.

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
14	25941	NAP	29	25.5	28.4	2	Roadway Rehabilitation	Bale Slough, Sulphur Creek, Napa River	N	N	N	6.5	7.40	64	SWPPP	BIOSTP, 6; INDTRE, 29	6/29/07	3/21/14	4/2/15	8/1/17
15	26409	MRN, SON	101	26.8 (MRN); R0.0 (SON)	27.6 (MRN); R2.0 (SON)	2	Realignment and Widening	San Antonio Creek	Y	N	Y	72.1	33.8	-	SWPPP	BS, 9	10/29/09	7/10/14	2/18/16	11/1/18
16	26470	SCL	101	40.5	41.5	2	Interchange Reconstruction	Guadalupe River	N	N	-	23.3 (w/in CT right-of-way)	6.9	52	SWPPP	BIOSWL, 21	3/11/16	8/3/17	8/16/18	5/13/20
17	26560	SM	1	40.6	41	2	Bridge Replacement	San Pedro Creek (303d), Pacific Ocean at Pacifica Beach (303d)	Y	N	-	5.97	2.61	-	SWPPP	BIOSSTP, 2; BIOSWL, 4	10/31/11	6/17/13	3/24/14	4/1/18
18	26980	CC	242	R0	R3.4	2	Pavement rehabilitation.	Suisun	N	N	-	0	0	-	WPCP	-	7/1/17	7/1/19	3/1/20	3/1/22
19	27010	ALA	580	R30.8	R41.5	2	Rehabilitate pavement.	San Leandro Creek	N	N	-	0	0	0	WPCP	-	7/29/16	12/29/17	10/31/18	12/31/20
20	27205	SCL	280	7.5	11.5	2	Rehabilitate Existing Pavement On Ramps	San Francisco Bay	N	N	-	0	0	0	WPCP	-	12/31/13	3/24/15	12/11/15	10/18/17
21	27282	SM	101	R0.8	R1.4	2	Interchange Improvements	MS4	N	N	N	1 – 2	0.6	-	SWPPP	-	-	6/15/17	9/15/17	6/25/19
22	27830	ALA	185	0.9	3.8	2	In Alameda County on Route 185 Near the City of Hayward from 162nd Street to Rufus Court	-	-	N	-	-	-	-	-	-	9/30/12	6/20/19	12/20/19	12/21/20
23	28120	NAP	29/221	5.0/0.0	7.1/0.7	2	Intersection Improvements	Soskol Creek, Napa River	Y	N	-	10	-	-	SWPPP	-	7/16/18	8/31/20	10/31/21	12/15/23
24	29494	Ala, CC	24	5.3 (Ala); 0.0 (CC)	6.2 (Ala); 1.3 (CC)	2	Replacement Planting	San Pablo Creek	N	N	N	6.1	1.0	-	SWPPP	None (existing T-BMP)	9/12/07	11/1/13	8/21/14	6/28/19
25	29762	ALA	24	22.9	25.7	2	Expressway Widening – Segment 2 South Widen and Upgrade Existing SR 84 from Two to Four Lanes	Arroyo del Valle, Arroyo Mocho	Y	N	-	43.5	22.7	22	SWPPP	BIOSTP, 5; BIOSWL, 7; MF-ADS, 2	9/4/08	12/15/14	10/20/15	8/24/18
26	29763	ALA	84/680	17.9/10.3	22.9/15.3	2	Widening from 2 Lanes to 4 Lanes and Interchange Modification	Arroyo de la Laguna, Alameda Creek, Arroyo del Valle	Y	N	-	59	33	-	SWPPP	-	2/1/18	8/7/19	4/16/20	4/21/22
27	44500	SCL	17	7.7	7.7	2	Install Weigh-In-Motion Systems in both directions and construct a maintenance Vehicle Pullout	Los Gatos Creek	N	N	-	0.5	0.44	-	WPCP	None	6/30/14	2/9/16	10/14/16	12/29/17
28	0120T	SF	80	7.8	8.2	2	Construct & Remove Bridge, Roadways	San Francisco Bay -Central	Y	N	-	13		-	SWPPP	-	-	11/14/11	2/1/13	9/30/17
29	0A020	SON	1	15.1	15.8	1	Realign Roadway.	Scotty Creek, Pacific Ocean	Y	N	-	13	3.5	-	SWPPP	-	6/30/16	4/2/18	2/1/19	12/31/20
30	0A081	CC	80	3.9	5.3	2	Construct Interchange, Pedestrian	San Pablo and Wildcat Creeks	-	N	-	0.8	0.05	-	WPCP	E	5/24/10	12/29/14	12/7/15	11/30/17
31	0A534	SOL	80	12	13.1	2	Reconstruct I-80 WB/SR WB Connector and Green Valley Rd. Interchange	Green Valley Creek, Jameson Canyon Creek	Y	N	-	35.1	8.1	-	SWPPP	BIOSTP, 1	10/25/12	1/31/13	4/9/14	12/29/17
32	0A537	SOL	80/ 680	12.2/ 11.0	13.5/ 12.2	2	Construct the Connector from I-80 Westbound to I-680 Southbound.	Green Valley Creek, Dan Wilson Creek	Y	N	-	-	-	-	SWPPP	-	10/25/12	12/1/17	7/20/18	6/1/20

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
33	0A770	ALA	80	6.4	6.8	2	Modify Interchange.	San Francisco Bay Central	N	N	-	1	0.4	-	SWPPP	Other-tree wells, 2	10/1/17	8/28/19	10/1/19	1/1/22
34	0C930	SM	1	0	10.6	2	Near Pescadero, from Santa Cruz County Line to south of Bean Hollow Road.	San Francisco Bay	N	N	-	0	0	-	WPCP	None	7/2/18	5/1/19	1/15/20	7/1/21
35	0C930	SM	1	0	10.6	2	Near Pescadero, from Santa Cruz County Line to south of Bean Hollow Road.	San Francisco Bay	N	N	-	0	0	-	WPCP	None	7/2/18	5/1/19	1/15/20	7/1/2021
36	0G090	ALA	680	2.4	-	2	San Francisco Public Utilities Commission (SFPUC)-Water System Improvement Program (WSIP)	Agua Fria Creek, Warm Springs Creek, Coyote Creek and San Francisco Bay	Y	N	-	5.5	0.5	-	SWPPP	None	6/17/09	12/30/11	4/1/13	11/30/17
37	0G221	ALA, CC	Var	Var	Var	2	ADA Curb Ramp Upgrades	-	-	N	-	-	-	-	-	-	4/12/13	2/14/18	9/12/18	3/12/19
38	0G252	SF	80	5.15	5.43	2	New Bus Storage Facility Under I-80	San Francisco Bay, Central	N	N	-	3.5	2.9	-	SWPPP	N	3/1/15	4/30/17	4/30/17	12/31/18
39	0G350	SF	1	0.94	4.05	-	In San Francisco City and County at Various Locations from Junipero Serra Boulevard to Lincoln Way	Lake Merced	N	N	-	5.74	5.74	-	SWPPP	N	8/31/17	6/30/17	10/31/17	12/28/18
40	0G360	ALA	Var	0	0	2	Improve Interchange	-	-	N	-	-	-	-	-	-	4/20/18	6/1/19	1/2/20	9/1/21
41	0G390	CC	680	2.9	2.9	2	Construct an Additional Lane Along NB Diagonal Off-Ramp and NB Diagonal On-Ramp	NA	N	N	-	NA	NA	-	WPCP	NA	10/15/14	12/29/17	8/1/17	7/23/18
42	0G642	MRN	1	28.5	28.51	2	Replace bridge.	Lagunitas Creek	Y	N	-	1.5	0.18	-	SWPPP	-	1/25/18	6/30/19	2/7/20	12/31/21
43	0G642	MRN	1	28.5	28.51		Replace bridge.	Lagunitas Creek	Y	N	-	1.5	0.18	-	SWPPP	-	1/25/18	6/30/19	2/7/20	12/31/21
44	0G660	SOL	84	12.1	12.4	5	Bridge Replacement	Miner Slough	Y	N	-	3.5	1.75	-	SWPPP	-	7/29/16	5/1/18	3/19/19	12/31/21
45	0G680	SON	121	3.4	6.5	2	Widen Roadway and Shoulders to Std Widths and Install Median and Shoulder Rumble Strips	Matadero Creek	-	N	-	NA	NA	-	NA	NA	12/29/17	12/31/19	12/17/20	12/31/21
46	0G720	SCL	152	11.9	11.9	3	Upgrade Intersection and Install Traffic Signal	Pajaro River	N	N	-	0.45	0.115	-	WPCP	N	12/12/14	12/17/15	8/26/16	12/3/17
47	0J000	ALA/ CC	Var	Var	Var	2	Pedestrian Crossing	Var	N	N	-	0.01	0.01	-	WPCP	N	11/13/15	5/31/17	2/28/18	12/31/18
48	0J100	SON	101	9	9	2	Repair slide.	Petaluma River	-	N	-	-	-	-	-	-	6/15/18	12/14/18	8/30/19	6/30/20
49	0J140	SM	92	6	6	2	Construct rock slope protection (RSP).	Adobe Gulch, Upper Crystal Springs Reservoir	N	N	-	-	-	-	-	-	12/1/17	9/1/17	8/1/18	8/1/19
50	0J210	SM	1	0.3	0.3	2	Construct rock slope protection (RSP) and install drainage system.	Año Nuevo Bay	-	N	-	-	-	-	-	-	10/30/17	3/16/18	7/30/18	12/31/18
51	0J380	CC	680	11.5	11.8	2	Slope Stabilization	San Ramon, Las Trampas and Walnut Creeks	-	N	-	3.2	0.05	< 50%	SWPPP	E (include if feasible)	3/31/17	4/1/18	2/7/19	12/1/19

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
52	0J470	59V04	Var	0	0	2	Crosswalk safety enhancements.	San Francisco Bay	N	N	N	0.01	0	0	WPCP	NA	10/30/17	10/4/18	4/23/19	10/31/19
53	0J520	ALA	580	8	8	2	Rehabilitate westbound structure.	Arroyo Las Pasitos	-	N	-	0.9	0.03	-	WPCP	E	1/15/18	5/1/19	2/3/20	5/2/22
54	0J530	ALA	880	11.3	12.3	2	In Fremont, from 0.5 mile south to 0.5 mile north of Patterson Slough Bridge No. 33-0250 (PM 11.8). Bridge rehabilitation.	Alameda Creek	N	N	-	<1	<1	< 50%	WPCP	NA	5/22/19	4/20/20	2/10/21	2/10/22
55	0J540	CC	24	R0.01	R0.01	2	Caldecott Tunnel 1, 2, 3 Rehab	San Pablo Reservoir, Temescal Creek	-	N	-	0.1	0.06	<50%	WPCP	N/A	8/15/16	10/2/17	1/2/18	3/14/22
56	0J550	ALA	84	17.2	17.2	2	Bridge scour mitigation and bridge rail upgrade.	Russian River	-	N	-	-	-	-	-	-	9/15/18	3/16/20	1/18/21	1/18/23
57	0J560	SCL	101	0.03	50.3	2	In various cities, on Routes 101 and 237 at various locations. Bridge rail upgrade at 8 locations. (G13 Contingency Project)	Pajaro River, Llagas Creek, Coyote Creek, Silver Creek, Guadalupe River, Saratoga Creek, Stevens Creek, Permanente Creek	N	N	N	<1	<1	<50%	WPCP	NA	9/14/18	3/16/20	12/21/20	10/15/21
58	0J570	MRN	1	33.4	33.4	2	Repair damaged embankment and construct retaining wall.	Tomales Bay	Y	N	Y	<1	<1	<50%	WPCP	C	12/1/17	5/17/19	2/4/20	10/30/20
59	0J600	SOL	80	1.1	34.5	2	In and near Vallejo, Dixon and Vacaville, at Route 80/29 Separation Bridge No. 23-0087, McCune Creek Bridge No. 23-0084 L/R and Horse Creek Bridge No. 23-0077 L. Bridge preventative maintenance.	McCune Creek, Horse Creek, Carquinez Strait	Y	N	N	0.5	0	<50%	WPCP	N	8/31/18	4/30/20	11/2/20	12/31/21
60	0J620	ALA	680	12.4	21.9	2	In and near Pleasanton and Dublin, from north of Route 84 to Alcosta Boulevard. Roadway rehabilitation.	Alameda Creek	N	N	-	35	32	<50%	SWPPP	C	10/2/18	2/28/20	3/30/21	10/2/23
61	0J640	SON	101	29.3	54.2	-	In Sonoma County in and near Windsor, from town of Windsor to Geyserville. (Pavement Rehabilitation)	Russian River	N	N	N	4.53	4.53	<50%	SWPPP	BIOSTP (5)	12/23/15	6/27/16	3/24/17	12/31/18
62	0J642	SON	101	29.3	R54.3	1	Roadway rehabilitation.	Russian River	N	N	-	<1	<1	<50%	WPCP	N	6/30/18	2/1/19	11/1/19	12/30/21
63	0J642	SON	101	29.3	54.2	1	Roadway rehabilitation.	Russian River	N	N	-	<1	<1	<50%	WPCP	N	6/30/18	2/1/19	11/1/19	12/30/21
64	0J660	SCL	680	M0	M9.9	2	-	Silver Creek, Coyote Creek	N	N	-	10.5	10.5	<50%	SWPPP	C	9/7/17	10/1/18	7/15/19	10/30/19

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
65	0J660	SCL	680	0	9.9	2	In San Jose and Milpitas, from Route 101 to Scott Creek Road at various locations. Construct maintenance worker safety improvements.	Silver Creek, Coyote Creek	N	N	-	10.5	10.5	<50%	SWPPP	C	9/7/17	10/1/18	7/15/19	10/30/19
66	0J670	59V04	Var	0	0	2	Construct maintenance worker safety improvements.	San Francisco Bay, San Francisquito Creek,	N	N	N	3	0.3	<50%	WPCP	None	9/30/17	11/30/18	7/1/19	7/1/20
67	0J680	59V04	Var	0	0	-	Highway worker safety improvements.	Calabasas Creek, Russian River, Sonoma Creek	N	N	N	0	0	<50%	WPCP	-	10/15/17	3/20/19	12/10/19	6/30/20
68	0J700	SF	1	R0.7	5.9	2	Upgrade and interconnect traffic signals.	San Francisco MS4	N	N	N	NA	0	<50%	WPCP	None	12/30/17	-	-	-
69	0J710	SOL	80	4.43	4.43	2	Raise the O/C- Vertical Clearance at Six Over-Crossings to Allow Over-Height, Military and Commercial Vehicles To Travel.	None	Y	N	Y	0.1	0	<50%	WPCP	None	1/1/18	5/1/19	6/1/20	6/1/21
70	0J720	SM	280	7	7.7	2	Near Redwood City, north of Edgewood Road; also on Route 84 from Hildebrand Road to north of La Honda Creek Bridge (PM 9.4/10.0) ((Stormwater Mitigation)).	San Gregorio Creek-Frontal Pacific Ocean	N	N	N	2	0	<50%	SWPPP	N	7/30/18	8/1/19	4/1/20	10/1/20
71	0J780	ALA	980	1.1	1.1	2	Replace Fire Alarm System.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	8/15/17
72	0J800	SCL	152	21.8	35.16	2	Near Gilroy, from east of Dunne Street/San Felipe Road to the Merced County line. Place median barrier (Median Barrier Placement).	South Fork Creek, Canyon Creek, Pacheco Creek	N	N	-	32.2	>1 ac	<50%	SWPPP	C	2/1/19	3/11/20	3/1/21	7/19/23
73	0K030	SCL	680	1.4	2.3	-	In San Jose on Route 680 at six locations between Capitol Expressway and Mueller Ave.	-	-	N	-	-	-	-	-	-	9/6/17	12/11/18	5/31/19	10/15/20
74	0K060	SF	101	0	0	2	In San Francisco County on Route 280 at Structures 34-0082 (Paulding St OC), 34-0079L (San Jose Ave UC), and 34-0074 (Alemany Blvd OC) ((Bridge Rehabilitation))	San Francisco Bay	N	N	N	0	0	0	WPCP	N	-	-	-	4/19/19

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
75	0K120	59V04	Var	0	0	2	In Alameda & Contra Costa Counties on Various Routes (Install Rectangular Rapid Flashing Beacons at ramp termini with uncontrolled pedestrian crossings)	San Joaquin River, Walnut Creek, San Ramon Creek, Coyote Creek, Alameda Creek, San Francisco Bay, San Lorenzo Creek, Perella Creek, Lake Temescal, San Pablo Creek, Wildcat Creek	N	N	-	2	<1 ac	<50%	WPCP	N	10/11/18	3/21/24	5/2/24	7/13/28
76	0K130	59V04	Var	0	0	-	On SON-12-116, MRN-1-131, NAP-29 at Var Locations.	-	-	N	-	-	-	-	-	-	8/1/18	9/17/19	12/18/19	2/28/24
77	0K160	CC	80	0	13.7	2	In CC County on I-80 from County Line to Carquinez Bridge (Install safety lighting and upgrade median)	San Francisco Bay, Cerrito Creek, Carquinez Strait, Rodeo Creek, Wildcat Creek, Garrity Creek, Pinole Creek	N	N	N	<1	0	<50%	WPCP	N	10/8/18	3/18/24	1/2/25	7/10/28
78	0K240	SCL	237	7	8	2	In Santa Clara County in San Jose on Eastbound Route 237 from North First Street Overcrossing to Zanker Road Overcrossing	Coyote Creek, Guadalupe River	N	N	-	3.7	1.65	<50%	SWPPP	C	8/6/18	6/4/19	12/24/19	3/7/24
79	0K240	SCL	237	7.1	8	2	In Santa Clara County in San Jose on Eastbound Route 237 from North First Street Overcrossing to Zanker Road Overcrossing	Coyote Creek, Guadalupe River	N	N	-	3.7	1.65	<50%	SWPPP	C	8/6/18	6/4/19	12/24/19	3/7/24
80	0K250	SCL	237	7	8	2	In Santa Clara County in San Jose on Westbound Route 237 from Zanker Road Overcrossing to North First Street Overcrossing Construction of Auxiliary Lane)	Coyote Creek, Guadalupe River	N	N	-	5.7	2.47	<50%	SWPPP	C	8/6/18	-	11/1/22	11/1/23
81	0K280	ALA	Var	0	0	-	In Alameda County on Routes 580, 880 and 980 at various locations (Bridge maintenance Repair)	San Leandro Bay, Oakland Inner Harbor, Lake Merritt, Oakland Outer Harbor	N	N	N	0	0	<50%	WPCP	N	8/15/15	6/10/16	-	4/19/19

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
82	0K450	SOL	Var	Var	Var	2	In Solano County on multiple bridge along Routes 37, 80, 680, & 780 (Treat bridge deck with methacrylate, replace joint seals, repair loose concrete and repair concrete spalls)	Suisun Bay, Mare Island Strait, Cordelia Slough	N	N	N	0	0	<50%	WPCP	N	-	-	-	7/27/18
83	0K490	ALA	185	0.3	6.4	2	In ALA County on Rte 185 from A St to Route 112 (Roadway Rehabilitation)	Lorenzo Creek, Estudillo Canal, Cordelia Slough, Ulatis Creek	N	N	N	0	0	<50%	WPCP	N	10/24/18	4/3/24	5/15/24	7/26/28
84	0K510	MRN	1	11.2	11.2	2	In MRN in the City of Stinson Beach on US 1 PM 11.2(Bridge Culvert Replacement).	San Rafael Creek	N	N	N	0.05	0	<50%	WPCP	N	10/24/18	4/3/24	5/15/24	7/26/28
85	0K570	SM	1	1.12	1.12	2	In SM county, on Rte 1, at Año Nuevo, at 1.1 miles north of Santa Cruz county line (Roadway Rehabilitation).	Año Nuevo Creek	N	N	N	0.25	0.25	<50%	WPCP	N	8/23/18	10/9/19	6/29/20	3/26/24
86	0K650	59V04	Var	0	0	-	In Alameda and Contra Costa Counties on Various Routes at Various Post Miles.	-	-	N	-	-	-	-	-	-	11/14/18	4/24/24	6/5/24	8/16/28
87	0K670	SM	82	19.8	19.8	2	In SM county, on Rte 82, in South San Francisco City, 0.1 mile north of Francisco Drive (Roadway Rehabilitation).	San Mateo Creek, Colma Creek	N	N	N	0.25	0.25	<50%	WPCP	N	9/7/18	10/23/19	6/29/20	4/10/24
88	0K710	SCL	101	38	40	2	US 101 Zanker Road/Skyport Drive/Fourth Street project new interchange (Interchange Improvements)	Coyote Creek and Guadalupe River	N	N	N	40	30	>50%	SWPPP	C	9/14/18	10/30/19	2/5/20	4/17/24
89	0K750	SF	101	5.9	8	2	Near San Benito, north of Route 146.	-	-	N	-	-	-	-	-	-	9/18/18	11/1/19	2/7/20	4/19/24
90	0K800	MRN	101	13.7	13.7	2	In MRN County in the City of San Rafael, on Rte 101, PM 13.7 (Install APS, upgrade curb ramps and repair sidewalks).	Gallinas Creek	N	N	N	0.5	0.46	-	WPCP	N	12/4/18	5/15/24	6/24/24	8/29/28
91	0K840	CC	680	13.9	22.7	2	Install Lighting Along Median and Upgrade Median Barrier.	Walnut Creek	N	N	N	-	-	-	WPCP	E	4/13/17	3/30/18	10/25/18	10/25/19
92	0P000	MRN	1	0.1	0.1	-	In Marin County, in Mill Valley, at the Route 101 separation	-	-	N	-	-	-	-	-	-	-	-	-	12/6/18
93	0P010	ALA	84	12	13	-	In Alameda County, near Fremont, from 1.0 mile to 2.0 miles west of Palomares Road	-	-	N	-	-	-	-	-	-	-	-	-	12/5/18

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
94	0P130	MRN	1	11.5	11.5	-	In Marin County, near Stinson Beach, at 0.6 mile south of Panoramic Highway north junction	-	-	N	-	0.12	0.05	-	WPCP	E	-	-	-	12/13/18
95	0P150	SM	92	0.91	0.91	2	In San Mateo County, near Half Moon Bay, at 0.7 mile east of Main Street (Storm Damage)	Pilarcitos Creek	Emergency Project	N	-	0.04	0.01	<50%	WPCP	N	-	6/15/17	7/3/17	8/31/17
96	0P160	SM	1	13.5	15.1	2	In San Mateo County, near Pescadero, from Pescadero Creek Road to 1.6 miles north of Pescadero Creek Road	Pescadero Marsh, Pacific Ocean	Emergency Project	N	-	0.5	0.02	<50%	WPCP	N	-	-	-	12/5/18
97	0P180	SON	12	17.6	18.5	-	In Sonoma County, in Santa Rosa, from 0.1 mile west of Hoen Avenue to 0.4 mile east of Farmers Lane (Storm Damage)	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	11/6/18
98	0P200	ALA	238	14.4	16.6	-	In Alameda County, in Hayward, from Route 580 to Route 880	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	11/19/18
99	0P210	ALA	680	0.4	0.4	-	In Alameda County, in Fremont, at Scott Creek Road	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/5/18
100	0P250	SM	280	8.5	10	2	In San Mateo County, in Belmont, from 0.2 mile to 1.2 miles south of the route 92 separation (replace culverts and backfill sinkholes).	Upper Crystal Springs Lake, San Francisco Bay	Emergency Project	N	-	0.065	0.003	<50%	WPCP	N	-	-	-	7/12/17
101	0P260	SM	35	26.1	28.9	-	In San Mateo County, near Daly City, from 0.1 mile south of Westborough Avenue to 0.2 mile north of the route 1 separation	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/5/18
102	0P280	SM	280	20.4	20.4	-	In San Mateo, in San Bruno, at Cedar Mills Lane	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	7/3/18
103	0P460	SCL	101	26.7	26.7	-	In Santa Clara County, in San Jose, at the Route 85 separation.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/7/18
104	1637E	SF	101	8	9.8	2	South Access to Golden Gate Bridge Doyle Dr Replacement Project-All Right-Of-Way Activities for Entire Project	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1/28/09	6/1/09	10/1/09	8/15/17
105	1637U	SF	1	8	9.8	2	Structure Rehab and Seismic Restoration of Tunnels and Viaducts Highway Planting	Crissy Marsh, San Francisco Bay-Central	Y	N	Y	42	33.37	~100	SWPPP	C	1/28/09	5/1/12	8/1/12	8/15/17
106	1A100	SM	1	-	-	2	Construct Northbound and Southbound Off Ramp	-	Y	N	Y	0.08	-	-	WPCP	E	11/1/17	1/1/18	6/1/18	6/1/19

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
107	1A200	SCL	152	R26.9	0	3	Install Traffic Census Station with Weigh-In-Motion	Pacheco Creek	N	N	N	0.61	0.61	-	WPCP	E	6/11/13	1/26/16	10/14/16	8/1/17
108	1A210	SON	37	2.6	2.6	2	Install Traffic Census Station with Weigh-In - Motion. And RR 300 Ft Pavement Section	San Pablo Bay Estuaries	Y	N	Y	0.1	0	-	WPCP	E	4/1/18	4/1/19	12/30/19	10/30/20
109	1A290	SON	12	9.6	9.6	1	Replace Bridge for Scour	Laguna De Santa Rosa Flood Control Channel	Y	N	Y	3.2	0.55	-	SWPPP	BIOSTP, 1	6/25/10	10/12/12	3/24/14	7/15/18
110	1A340	SCL	9	3.6	11.4	2	Bridge Rail Replacement and Upgrades	-	-	N	-	0.1	0.016	-	WPCP	E	3/21/14	5/13/15	2/4/16	12/14/17
111	1A421	SON	116	19.2	19.5	1	Signalization of the Intersection of Route 116 & Mirabel Road (Phase I)	Jones Creek	N	N	N	4.14	0.56	-	SWPPP	C	10/24/13	12/1/17	6/1/18	12/1/19
112	1A661	MRN	101	8.2	8.7	-	In Marin County, from Tamalpias Drive Interchange in Corte Madera to Sir Francis Drake Blvd. in Larkspur, improvement on SB and NB 101 and multimodal improvements.	-	-	N	-	-	-	-	-	-	1/31/17	9/21/17	3/15/18	10/31/18
113	1A672	ALA	580	46	46.8	2	Bridge Rehab Paint/Electrical Work	San Francisco Bay, Central	N	N	N	0.08	0	-	WPCP	E	7/2/08	5/7/15	12/22/15	5/1/19
114	1A683	ALA	880	28.6	29	2	Rehabilitate roadway.	San Francisco Bay, Central	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	2/15/11	4/15/18	11/28/18	11/1/19
115	1A904	SF	1	5.9	6.3	2	In the City of San Francisco, at Presidio National Park. Water Quality Improvement	Mountain Lake	N	N	N	0.33	0	-	WCPC	E	12/12/14	9/9/15	4/6/17	12/28/18
116	1A905	SF	1	6	6	2	Water quality improvements	Mountain Lake	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	3/1/19	4/2/20	2/10/21	12/31/21
117	1G020	SM	82	13.69	13.69	2	Install left turn signal.	Coyote Creek	N	N	N	0.32	0.13	-	WPCP	E	11/15/17	6/9/17	11/8/17	11/8/19
118	1G110	SF	101	0	0	2	High Speed Rail from San Francisco to San Jose	-	-	N	-	-	-	-	-	-	12/1/17	12/1/19	-	-
119	1G120	SCL	280	4	10	2	High Speed Rail from San Jose to Merced	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/1/17	-	-	-
120	1G430	NAP	128	R7.4	7.4	2	Replace bridge.	Conn Creek, Napa River	Y	N	Y	1.2	0.46	>50%	SWPPP	BIOSTP, 1	10/5/15	10/2/17	7/30/18	7/24/20
121	1G621	SM	101	8.1	8.6	2	Street Interchange Reconstruction	Phelps Slough/ Lower SF Bay	Y	N	Y	18.83	2.14	14%	SWPPP	DETBAS, 1	9/25/15	8/3/17	7/1/17	10/1/18
122	1G622	SM	101	8.3	8.3	2	Pedestrian/ Bicycle Overcrossing	Phelps Slough/ Lower SF Bay	Y	N	Y	1.29	0.83	-	SWPPP	C	5/24/16	5/17/17	-	11/15/18
123	1G660	SF	80	5.5	7.7	-	Bicycle/Pedestrian/Maintenance Path	-	-	N	-	-	-	-	-	-	12/31/18	-	-	-
124	1G840	SON	116	26.6	26.9	1	Reconstruct and upgrade existing ramps and drainage	Mark West Creek	N	N	N	N/A	N/A	N/A	WCPC	E	9/30/15	6/8/17	2/1/18	12/31/18
125	1G860	SCL	880	1.28	1.36	2	In Santa Clara County, In San Jose at Bascom Avenue off-ramps.	Guadalupe River-Frontal SF Bay Estuaries	N	N	N	0.39	0.39	-	WCPC	E	6/30/15	3/30/17	10/23/17	12/20/18

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No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
126	1G870	SCL	152	13.8	14.7	5S	Shoulder widening	Llagas Creek and Pajaro River	N	N	N	3.6	0.9	-	WCPC	C	6/30/15	3/10/17	3/15/18	12/17/18
127	1G910	ALA	185	3.25	9.75	2	Reinstall and/or upgrade existing curb ramps and sidewalks to ADA standards.	-	-	N	-	-	-	-	WPCP	E	3/1/18	5/1/19	2/28/20	12/31/20
128	1G990	ALA	580	30.4	30.4	-	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/1/17	12/3/18	-	-
129	1J010	ALA	880/ 238	20.902	16.7	2	Improve safety visibility by installing lighting and improving signs.	San Lorenzo Creek-Frontal SF Bay Estuaries	N	N	N	0	0	0	WPCP	E	11/4/16	10/25/17	7/2/18	1/2/19
130	1J020	SON	Var	22.4	22.4	1, 2	High Friction Surface Treatment	Mark West Creek	N	N	N	0	0	0	WCPC	E	10/30/15	5/8/17	12/15/17	10/15/18
131	1J320	SON	116	13.6	13.9	1	Construct Retaining Walls, Place RSP, Modify Drainage & Repair Roadway.	-	Y	N	Y	0.03	-	-	WPCP	E	3/2/12	7/3/14	4/5/16	12/29/17
132	1J360	SON	12	34.2	41	2	Pavement rehabilitation	Sonoma Creek	N	N	N	0	0	0	WPCP	E	3/1/18	9/5/19	6/4/20	6/3/21
133	1J520	ALA	84	0.5	29.3	2	Public Access/ vista point	Lower Cayote Creek-Frontal SF Bay Estuaries	N	N	N	0.37	0.08	-	WCPC	E	8/15/09	9/8/14	4/2/15	9/1/18
134	1J560	SM / SCL	101	0 / 50.6	21.8 / 52.6	2	Congestion Relief, Increase throughput	San Mateo Creek & SF Bay & Various (VAR)	N	N	N	139	12.2	-	SWPPP	C	11/1/17	11/1/19	6/1/20	9/1/22
135	1J600	ALA	85, 92, 112, 185, 238	Var	Var	2	Install Pedestrian Beacons	Var	N	N	N	0.04	0	-	WPCP	E	9/29/17	1/14/19	12/2/19	12/2/20
136	1J630	SCL	101	16	27.9	2	Pavement Preservation	Lower Coyote Creek-Frontal SF Bay Estuaries	N	N	N	NA	NA	NA	WPCP	E	1/7/15	6/26/15	3/22/16	10/16/17
137	1J700	ALA	123	2.83	2.83	2	Install Traffic Signal & Install Extended Curb Ramps	NA	N	N	N	NA	NA	NA	WPCP	E	12/7/16	5/25/18	12/7/18	2/18/19
138	1J750	SON	1	22.48	22.48	1	Fire Damaged Tieback Retaining Wall.	Pacific Ocean, Russian Gulch	N	N	N	0	0	NA	WPCP	E	11/16/16	11/1/17	7/1/18	12/30/18
139	1J820	SOL	80	17.08	17.08	2	Upgrade electrical distribution system by replacing main distribution panel and adding sub distribution panels. Tie-In a new emergency Generator	Woodlen Valley Creek – Frontal SF Bay Estuaries	N	N	N	<1	0	NA	WCPC	E	9/30/16	12/15/16	5/2/17	5/16/18
140	1J950	SCL	880 280	0 5.1	0.7 5.2	2	Construct replacement highway planting and landscaping	Los Gatos Creek, Guadalupe River	N	N	N	7.8	0	NA	SWPPP	C	7/25/11	-	11/11/16	8/15/17
141	1J960	MRN	1	22.8 45.0	31.2 50.5	1, 2	Capital Preventive Maintenance – RR pavement and associated features along 2 segments locations – Culvert Repairs	-	N	N	Y	1.1	1.1	-	SWPPP	C	10/1/18	10/3/19	7/9/20	10/24/21

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No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
142	1J970	SCL	17	2.8	13.94	-	In and near Los Gatos, Campbell and San Jose, from Hebard Way to Route 280.	-	-	N	-	-	-	-	-	-	7/2/18	7/5/19	7/15/20	5/3/22
143	1J990	ALA CC	13 24 24	13.5 1.00 R4.2	19.5 R2.49 R4.99	2	Safety Lighting	Sausal Creek SF Bay Central San Francisco Bay	N	N	Y	NA	NA	NA	WPCP	E	5/1/18	5/1/19	11/12/18	7/15/19
144	1K270	SCL	880	5.68	5.75	-	In Santa Clara County in City of San Jose, route 880 between Paragon drive and Oakland Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/21/18	-	-	7/22/22
145	1K280	SCL	101	R28.4	R28.9	2	Widening Blossom Hill Overcrossing.	Coyote Creek	N	N	N	7	3.2	-	SWPPP	BIOSWL, TBD	12/20/17	-	-	5/15/19
146	1K330	SF	101	1.77	1.77	2	Reconstruct bridge railing and sidewalk due to truck collision damage.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	8/15/17
147	1K340	ALA	185	3.2	3.75	2	AC Resurfacing, upgrade curb ramps.	San Francisco Bay	N	N	N	0	0	0	WPCP	E	10/7/16	12/12/16	7/21/17	12/15/17
148	1K360	CC	4	16.8	17.8	2	Replace Failed Concrete Pavement	San Francisco Bay	N	N	N	0	0	0	WPCP	E	9/30/16	12/15/16	6/30/17	6/29/18
149	1K370	MRN	37	11.2	11.8	2	AC Resurfacing – Rubberized HMA Pavement	San Pablo Estuary	N	N	N	0.08	0.08	-	WPCP	E	9/30/16	12/15/16	6/30/17	6/29/18
150	1K400	MRN	131	2.7	3	-	AV.M. Flores L/west of Pine Terrace to Gilmartin Drive.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	10/2/17	1/22/18	6/13/18	12/3/18
151	1K430	SCL	17	0	0	-	Develop Prime Conservation Easement/Mitigation Bank for Special Status Species and for Jurisdiction A	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	1/7/19	2/24/20	5/26/20	8/5/24
152	1K480	ALA	Var	0	0	2	Remove and Dispose of Trees.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	8/30/17
153	1K490	SM	1	47.2	47.2	2	Repair Eroded Slope with Rock Slope Protection	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	9/7/17
154	1K650	SM	1	36.2	36.2	2	Repair washout with rock slope protection (RSP) and provide traffic control.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	10/5/17
155	1K670	ALA	980	1.2	1.2	-	Alameda County on State Route 980 at Post Mile 1.2.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/3/18	11/1/19	11/1/20	8/29/25
156	1K720	SON	1	1	28.7	-	In Sonoma County on route 1 from 0.6 miles south of Middle Road to Jewell Gulch.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	4/3/19	5/18/20	8/17/20	10/28/24
157	1K730	SON	1	30.8	40.6	-	Culvert Rehabilitation	Pacific Ocean	Y	N	-	0.15	0.12	-	WPCP	C	4/3/19	5/18/20	8/17/20	10/28/24
158	1K750	SON	1	41.2	54.6	-	Drainage System Restoration	Pacific Ocean	Y	N	-	0.14	0.14	-	WPCP	C	4/3/19	5/18/20	8/17/20	10/28/24
159	1K760	SON	1	45.41	45.41	-	Drainage System Restoration	Pacific Ocean	N	N	-	0.01	0.01	-	WPCP	C	4/3/19	5/18/20	8/17/20	10/28/24
160	1K770	SON	116	1.03	1.03	-	Culvert Rehabilitation	Russian River	Y	N	-	0.02	0.02	-	WPCP	BIOSWL 1	4/3/19	5/18/20	8/17/20	10/28/24
161	1K790	SON	1	15.3	15.5	1	-	Scotty Creek, Pacific Ocean	-	N	-	0.68	0	N/A	WPCP	E	-	-	-	11/13/17

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
162	1K840	59V04	Var	0	0	TBD	Dead Tree Removal due to Drought	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	11/20/17
163	1K980	SCL	280	4.5	6	-	In Santa Clara County, in the City of San Jose on route 280 at Winchester Blvd. On-Ramp, 0.7 mile west of Route 17.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/28/19	2/26/21	6/1/21	-
164	1SS02	ALA	13	8.3	8.3	2	Storm Damage Repair	Temescal Creek	N	N	-	1.2	<1.0	-	WPCP	E	12/3/12	10/19/15	4/5/16	2/28/18
165	1SS41	ALA	13	4.8	5	2	Storm Damage Repair	Lion Creek, San Leandro Bay	N	N	-	0.49	0.28	-	WPCP	C	10/28/14	3/19/15	11/4/15	12/14/17
166	1SS43	ALA	880	2.3	2.3	-	Pavement Repair	Agua Creek	N	N	-	0.02	0	-	WPCP	E	2/22/16	3/30/17	10/11/17	7/31/18
167	1SS44	ALA	880	19.3	19.3	2	Improve Drainage System. Construct Maintenance Access Road; and Reconstruct Irrigation System.	Alameda Creek	N	N	-	0.02	0	-	WPCP	E	12/24/14	6/6/16	1/23/17	10/31/17
168	1SS58	MRN	1	2.2	2.2	-	Storm Damage Repair	Coyote Creek	N	N	-	0.26	0.2	-	WPCP	E	6/29/15	9/16/16	5/9/17	12/28/18
169	1SS59	MRN	580	2.7	2.7	2	Storm Damage Repair	San Francisco Bay-Central	N	N	-	0.52	0	-	WPCP	E	6/20/14	10/2/15	7/27/16	12/30/17
170	2356A	SM	101	0	3.6	2	Replacement Landscaping	-	N	N	-	12.6	-	-	SWPPP	C	6/4/12	3/28/13	10/3/13	11/2/17
171	2640F	SON	101	3.7	7.5	2	Segment C HOV Widening Project	Petaluma River	Y	N	-	46.8	35.69	-	SWPPP	BIOSTP 7, BIOSWL 26	10/29/09	9/7/17	4/1/18	12/31/20
172	2A251	SCL	152	0	6.2	3	Planting and environmental mitigation.	Bodfish Creek, Uvas Creek	-	N	-	-	-	-	-	-	2/4/13	12/15/17	8/31/18	4/2/19
173	2A252	SCL	152	0	5.2	3	Environmental species mitigation.	Bodfish Creek, Uvas Creek	N	N	-	-	-	-	-	-	3/3/10	-	-	4/2/18
174	2A320	NAP	121	8.9	9.4	-	Bridge Replacement	Sarco Creek, Napa River, San Pablo Bay	N	N	-	1.8	0.15	-	SWPPP	C	6/28/12	2/29/16	1/11/17	12/28/18
175	2A332	ALA	84	10.8	18	-	Safety Improvement	Alameda Creek	Y	N	-	11.1	2.27	-	SWPPP	BIOSWL 1	8/30/17	3/10/19	10/27/19	6/1/20
176	2A400	ALA	185 112 77 13	5.73 1.51 0.45 11.61	10.56 1.78 0.45 11.61	2	Bus Rapid Transit Improvement and Landscape Reduction	Lion Creek, San Leandro Creek, Elmhurst Creek, Sausal Creek, Peralta Creek, Seminary Ave Drain, Arroyo Viejo Creek, 14th Avenue Creek Culvert	N	N	-	11.7	0	-	SWPPP	E	1/15/13	-	-	9/28/18
177	2A490	SF	280	4.2	6.6	-	Rehabilitate Bridge Deck	Corte Madera Creek	N	N	-	< 1	0	-	WPCP	E	5/2/11	4/18/16	1/11/17	1/10/19
178	2A960	SOL	80	10	11.2	-	Culvert Rehabilitation	Suisun Bay	Y	N	-	0.3	0.061	-	WPCP	C	1/11/19	2/28/20	6/1/20	8/9/24
179	2G000	ALA	185	3.64	3.86	-	In Ala County on Route 185, East 14th Street/Hesperian Boulevard/150th Avenue Street.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/30/17	12/30/18	9/30/19	8/30/20
180	2G250	CC	80 580	0.22 0.24	0.22 0.24	2	Traffic Operations	Albany Marsh, Hoffman Marsh	N	N	-	0.08	0.02	-	WPCP	E	1/25/13	6/30/17	2/12/18	8/9/18
181	2G340	SON	101	20.7	21.8	-	In Sonoma County, on Route 101, from PM 20.7 to 21.8	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	9/28/18	-	-	-

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
182	2G350	SCL	280	18.6	18.6	2	Safety Improvement	Matadero Creek	N	N	-	0.3	0	-	WPCP	E	2/15/18	2/21/18	8/15/18	12/18/19
183	2G360	ALA	92	4.8	6.7	2	Replacement Planting and Irrigation	SF BAY	Y	N	-	12.5	0.057	-	SWPPP	E	-	10/31/13	10/20/14	6/1/18
184	2G362	ALA	92	R5.1	R5.8	2	Highway Planting Project	San Lorenzo Creek	Y	N	-	5.73	0.24	-	SWPPP	E	12/1/03	10/31/13	10/20/14	6/1/18
185	2G460	ALA	13	10.79	12.06	2	Upgrade curb ramps	Cerrito Creek-Frontal San Francisco Bay Estuaries	N	N	-	0.46	0	-	WPCP	E	7/11/18	10/11/19	4/24/20	3/1/21
186	2G481	ALA	13	12.1	13.4	2	ADA Improvements	Frontal San Francisco Bay Estuaries	N	N	-	0.4	0.4	-	WPCP	E	6/30/15	6/22/16	12/13/16	7/30/17
187	2G482	ALA	13	12.1	13.4	2	ADA Improvements	Corte Madera Creek	N	N	-	<1	0.03	-	WPCP	E	2/1/16	5/30/18	3/29/19	9/27/19
188	2G502	ALA	Var	0	0	2	Upgrade Metal Beam Guard Rail Transition Railings	Corte Madera Creek	N	N	-	0.21	0	-	WPCP	E	3/19/15	5/31/16	2/1/17	7/1/17
189	2G521	ALA	560, 680	Var	Var	2	Install MBGR transition railing	San Lorenzo Creek, Cerrito Creek – Frontal San Francisco Bay Estuaries, Arroyo de la Laguna, and South San Ramon Creek	N	N	-	0	0	-	WPCP	E	1/7/14	3/13/15	10/15/15	10/2/17
190	2G540	SCL	82	14.83	18.14	2	Drainage Improvements, Curb Ramp Upgrades, and Modify Traffic Signal and Lighting	Guadalupe River, San Francisco Bay South	N	N	-	0.5	0.5	-	WPCP	E	1/2/13	6/10/15	1/26/16	12/20/17
191	2G660	ALA	13	9.75	10.79	2	Upgrade Curb Ramps	Cerrito Creek-Frontal San Francisco Bay Estuaries	N	N	-	0.3	0	-	WPCP	E	2/14/18	5/6/19	12/2/19	10/1/20
192	2G690	MRN	1	0 0.5	0.2 0.8	2	ADA Standard Upgrade	Coyote Creek, Richardson Bay	N	N	-	0.1	0.1	-	WPCP	E	6/16/17	8/31/18	5/1/19	12/27/19
193	2G730	ALA SCL	80 85	2.5 18.0	8.0 24.0	TBD	Install and/or upgrade existing curb ramps and pedestrian facilities to ADA standards.	San Francisco Bay, Cerrito Creek, Codornices Creek, Stevens Creek, Calabasas Creek	N	N	-	0.35	0.35	-	WPCP	E	10/2/17	4/1/19	12/23/19	11/2/20
194	2G740	ALA	185	9.75 0.38	10.09 0.90	-	Upgrade existing curb ramps and replace existing sidewalk	San Lorenzo Creek	N	N	-	2.76	0	-	SWPPP	E	1/2/19	7/1/20	1/6/21	12/31/21
195	2G830	ALA	13	8.8	8.8	2	Retaining Wall	Cerrito Creek-Frontal San Francisco Bay Estuaries	N	N	-	0.22	0.06	-	WPCP	E	2/19/14	4/1/15	12/17/15	12/20/17
196	2G860	ALA	580	33.4	33.4	2	Storm Damage Repair	NA	N	N	-	0.53	0.08	-	WPCP	E	5/16/13	2/19/14	9/15/15	12/30/17
197	2G890	MRN	1	8.1	8.1	2	Storm Damage Repair	Pacific Ocean	N	N	-	0.37	0.4	-	WPCP	E	6/30/15	4/20/16	11/30/16	12/29/17
198	2G940	NAP	128	17.9	17.9		Construct Roadway Retaining System	Soda Creek, Capell Creek, Lake Berryessa	N	N	-	0.13	0	-	WPCP	E	7/6/14	10/6/15	6/14/16	12/28/18

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
199	2G960	SCL	9	4.6	4.7	2	Construct Retaining Wall	Saratoga Creek, South San Francisco Bay	N	N	-	0.3	0.06	-	WPCP	E	5/26/15	5/26/16	1/2/17	1/2/18
200	2G990	SCL	130	5.6	6	2	Retaining Wall and Shoulder Widening	South Babb Creek, Silver Creek, Coyote Creek	N	N	-	0.083	0.044	-	WPCP	E	6/11/15	5/11/16	1/2/17	1/2/18
201	2J000	CC	4	12.9	14.4	2	Install safety lighting, high reflective striping and markings.	Kirker Creek	-	N	-	0	0	0	WPCP	E	9/1/17	4/27/18	12/26/18	10/30/19
202	2J042	CC	4	28.7	31	-	In Contra Costa County in Antioch and Oakley on SR 4 from 0.2 mile west of Hillcrest Avenue OC to 0.6 mile west of Laurel Road OC and on SR 160 from Newlove OH to Oakley Road OC.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	7/6/06	7/16/18	12/3/18	4/15/22
203	2J070	ALA	880	2.9	27.3	-	In Alameda County, in Fremont, Union City, Hayward, San Leandro, and Oakland, from 0.4 Miles South of Fremont Boulevard Overcrossing to 0.3 Miles South of High Street In Oakland.	-	-	N	-	-	-	-	-	-	4/28/15	6/29/15	3/29/16	12/31/18
204	2J140	ALA	13	0	0	2	Replace Overhead Sign Panels	VAR	N	N	N	0	0	0	WPCP	E	1/30/15	5/18/15	3/16/16	9/15/17
205	2J150	CC	Var	0	0	-	Replace Overhead Sign Panels	NA	N	N	N	0	0	0	WPCP	None	2/27/15	6/8/15	2/18/16	10/2/17
206	2J170	SCL	17	6	13.95	2	Replace Overhead Sign Panels	Los Gatos Creek	N	N	N	0	-	-	WPCP	-	2/23/15	6/2/15	12/1/15	10/30/17
207	2J180	59V04	Var	0	0	-	Replace Overhead Sign Panels	VAR	N	N	N	0	0	0	WPCP	E	1/30/15	6/3/15	2/2/16	10/1/17
208	2J320	ALA	880	14.7	14.7	2	Install weigh-in-motion system in both directions.	San Lorenzo Creek	-	N	-	0.02	0	0	WPCP	E	6/29/15	12/3/18	11/29/19	12/1/20
209	2J440	ALA	92	R4	R5.49	2	Install Safety Lighting and Upgrade Lighting.	-	N	N	N	-	-	-	-	-	3/17/17	3/1/18	10/1/18	11/1/19
210	2J480	MRN	101	10.1	10.1	-	In San Rafael, at the Route 101/580 interchange.	-	-	N	-	-	-	-	-	-	4/27/16	2/21/17	10/27/17	10/30/18
211	2J500	SON	37	0.27	0.27	2	Restore eastern bridge approach settlement.	San Pablo Bay	Y	N	Y	0.01	0.01	-	WPCP	E	8/15/17	2/1/18	9/15/18	10/1/19
212	2J510	MRN	1	35.26	35.26	-	In Marin County on Route 1 near Marshall from 0.3 mile north of Ellis Creek Bridge (Br#27-0025) to 0.1 mile south of Clark Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	8/14/18	11/14/18	1/31/23
213	2J540	SON	1	24.3	24.4	1	Construct Soldier Pile Wall, and Rock Slope Protection.	Russian River Gulch	Y	N	Y	0.1	0.1	1%	WPCP	NONE	2/16/18	10/1/18	5/15/19	12/30/19
214	2J550	SON	101	33.5	33.5	1	Grouting, Steel Piles and Regrading.	Russian River	-	N	-	-	-	-	-	-	7/17/17	1/15/18	9/15/18	10/1/19

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
215	2J560	MRN	1	0.3	0.3	2	Repair roadway slip-out.	Coyote Creek (Marin County), Richardson Bay	Y	N	Y	0.13	0.12	<50%	WPCP	N/A	6/30/17	5/11/18	11/30/18	10/31/19
216	2J570	NAP	121	20.5	20.7	5	Embankment stabilization and culvert repair.	Capell Creek, Lake Berryessa	Y	N	Y	<1	0.04	<50%	WPCP	N/A	5/23/17	4/20/18	11/19/18	11/29/19
217	2J580	CC	24	4.3	4.3	-	In Contra Costa County, on Route 24, at the Eastbound Route 24 Off Ramp to Southbound Accalanes Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/28/19	3/2/20	4/19/10	6/17/14
218	2J590	CC	4	48.2	48.2	5	Construct retaining walls to repair storm damage slip-outs.	San Francisco Bay-Central (303d)	Y	N	Y	5.5	-	-	SWPPP	BS, 2 D, 3	3/3/17	4/27/18	1/4/19	10/31/19
219	2J660	SCL	237	0	0.2	-	In Mountain View, from El Camino Real (Route 82) to east of Church Street. Install median barrier.	-	-	N	-	-	-	-	-	-	6/8/15	3/24/17	10/3/17	2/1/19
220	2J670	ALA	238	R14.5	16.7	2	Install and upgrade safety lighting.	San Lorenzo Creek	N	N	N	0	0	0	WPCP	E	3/1/17	3/1/18	11/1/18	11/5/19
221	2J680	CC	580	0	4.8	2	Corridor Improvement.	NA	N	N	N	8.07	NA	NA	SWPPP	NA	-	7/5/16	10/15/16	9/18/17
222	2J720	CC	580	1.17	1.17	2	Bridge rehabilitation.	Stege Creek, San Francisco Bay Central	Y	N	Y	0.2	0.31	>50%	WPCP	C	11/30/18	1/3/20	10/12/20	6/1/21
223	2J730	SM	101	7.13	7.13	2	Replace Bridge	Cordilleras Creek, San Francisco Bay Lower	-	N	-	2	0.35	< 50%	SWPPP	BS, 1	6/1/18	12/1/19	12/7/18	2/17/23
224	2J740	SM	101	0.1	23.4	2	Replace Bridge Rail.	San Francisco Bay-Central (303d)	Y	N	Y	0	4.08	-	WPCP	E	12/1/17	6/1/19	12/4/19	11/20/19
225	2J750	SCL	280	R2.87	R17.8	2	Seismic Restoration	Saratoga Creek	-	N	-	0	0	0	WPCP	E	2/27/18	4/11/19	2/28/20	1/4/21
226	2J760	ALA	880	27.23	27.23	2	Sub-Structure Rehab/Scour Mitigation	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	7/21/17	9/6/19	12/6/18	4/17/21
227	2J770	NAP	29; 121	32.06, 38.96, 42.83 (SR29), 18.59 (SR121)	32.06, 38.96, 42.83 (SR29), 18.59 (SR121)	2; 5S	In and near Saint Helena and Calistoga, at Mill Creek Bridge No. 21-0056, Garnett Creek Branch Bridge No. 21-0111, and No Name Creek Bridge No. 21-0100.	Garnett, Mill, "No Name", and Capell Creeks	Y	N	N	<1	0	0	WPCP	E	9/1/18	2/1/20	10/30/20	12/1/21
228	2J780	SCL	VAR	0	0	-	In various cities on various routes at Saratoga Creek Bridge, Carnadero Creek Bridge, San Francisco Creek Bridge, San Tomas Aquino Creek Bridge, and Bodfish Creek Bridge. Bridge preventative maintenance.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	10/1/18	3/1/20	12/22/20	10/1/21

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
229	2J790	SM	1	28.92	28.92	-	In SM County in Half Moon Bay on Rte 1 at Pilarcito Creek Bridge #35-0139l/R and Near San Gregorio on Rte 84 At San Gregorio Creek Bridge #35-0166.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	10/31/18	1/31/20	8/8/20	11/1/21
230	2J800	SF	101	4.12	R4.25	2	Paint superstructure steel members.	SF Bay Central	N	N	N	0.1	0	0	WPCP	NONE	12/1/18	9/1/20	8/1/21	10/1/24
231	2J810	ALA	880	4	11.3	2	Highway worker safety improvements.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/7/18	5/6/19	12/20/19	7/2/20
232	2J820	CC	Var	0	0	-	Construct maintenance worker safety improvements	San Pablo Creek	-	N	-	0	0	-	WPCP	E	1/2/18	7/26/19	3/24/20	11/30/20
233	2J830	ALA	80	1.9	4	2	Upgrade/replace Transportation Management System elements.	Mountain House Creek	N	N	N	0.1	0.02	1%	WPCP	NONE	3/1/19	4/1/20	12/24/20	12/24/21
234	2J840	SON	116	0	0	-	In Var Counties, on Var Routes and at Var Locations.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	9/30/18	9/1/19	5/15/20	12/30/20
235	2J880	NAP	29	38.9	38.9	-	In NAP County Route 29 at Garnett Creek BR. #21-0005.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	9/1/18	2/1/20	10/30/20	12/1/21
236	2J890	SCL	101	9	16.78	-	In and near Morgan Hill, from south of Masten Avenue to East Main Avenue.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	8/1/18	8/29/19	5/1/20	5/31/21
237	2J940	ALA	880	27.1	27.32	2	Install Outer Separation Type 60 Concrete Barrier	San Lorenzo Creek	-	N	-	<1 Acre	-	-	WPCP	E	8/16/17	1/2/19	10/23/19	11/15/20
238	2K040	SON	116	22.13	22.13	1	-	-	-	N	-	-	-	-	-	-	-	-	-	12/6/17
239	2K140	SCL	17	0	6.55	-	Hebard Way Intersection to Main Street Overcrossing.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	5/9/19	1/13/20	9/23/20	10/5/22
240	2K170	ALA	Var	0	0	-	In Alameda County on route 77 and 880 at various locations at San Leandro OC-BR# 33-284, Tennyson Road OC-BR# 33-0236, Washington Ave. OC-BR# 33-0166 and Damon Slough (SB on-ramp) BR# 33-0142K.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	5/14/19	6/29/20	9/28/20	12/11/24
241	2K190	SM	1	44.21	44.21	-	In San Mateo County in Pacifica on Route 1 at Paloma Ave OC) Br No. 35-0187), and; in the city and county of San Francisco on Route 101 at Alemany Circle Undercrossing (SB 101 on-ramp, Br. No. 34-0064K). Alemany Circle Undercrossing (NB 101 on-ramp,	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	5/14/19	6/29/20	9/28/20	12/11/24

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
242	2K230	SON	101	0.74	2.55	2	-	-	-	N	-	-	-	-	-	-	-	-	-	1/5/18
243	2K240	MRN	101	15.57	15.57		In Marin County in San Rafael on US-101 at Miller Creek Road OC and in Sonoma County in Santa Rosa on US-101 at Todd Road OC and Baker Avenue OC.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	5/24/19	7/9/20	10/8/20	12/23/24
244	2K250	59V04	Var	0	0	-	Remove and Dispose of Trees.	-	-	N	-	-	-	-	-	-	-	-	-	1/8/18
245	2K280	SCL	9	5.97	5.97	-	In Santa Clara County, near Saratoga, at 0.2 mile north of Piece Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/3/19	7/16/20	10/15/20	12/31/24
246	2K330	SON	101	38.7	41.4	-	In Sonoma County, on Route 101, at median areas north of Lytton Sprint Road IC ant at Geyserville Avenue on-ramp.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/5/19	7/20/20	10/19/20	1/3/25
247	2K350	SON	101	55.5	55.5	-	In Sonoma County on Route 101, near Cloverdale at 2-mile North of Route 128.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/5/19	7/20/20	10/19/20	1/3/25
248	2K360	SON	116	9.5	9.5	-	In Sonoma County on route 116, near Monte Rio, at 0.7 mile of old Monte Rio Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/5/19	7/20/20	10/19/20	1/3/25
249	2K370	SON	116	43.3	43.3	-	In Sonoma County on Route 116, Near Monte Rio, at 0.7 Mile East of Old Monte Rio Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/5/19	7/20/20	10/19/20	1/3/25
250	2K380	SON	121	9.7	9.7	-	In Sonoma County on Route 121, near Schellville, 0.1 mile east of Ramal Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/5/19	7/20/20	10/19/20	1/3/25
251	2K390	SON	128	1.8	1.8	-	In Sonoma County, on Route 120, at 3 miles West of North Cloverdale Blvd.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/5/19	7/20/20	10/19/20	1/3/25
252	2K420	NAP	128	9.2	9.2	2	Storm Damage Restoration	Conn Creek, Lake Hennessey	Y	N	Y	0.09	0.012	-	WPCP	E	6/5/19	7/20/20	10/19/20	1/3/25
253	2K510	MRN	1	14.4	14.6	2	Roadway Realignment	Drakes Bay	-	N	-	0.17	0.16	-	WPCP	E	TBD	TBD	TBD	1/31/18
254	2K550	SF	35	2	3.2	-	In the city and county of San Francisco, on State Route 35 (Sloat Blvd), between Route 1 (19th Ave) and Skyline Blvd.	-	-	N	-	-	-	-	-	-	2/29/16	10/7/16	3/15/17	6/28/19
255	2K590	SM	84	27	27	-	In Menlo Park on route 84 Bay Front Expressway, 1500 feet East of Chilco Street.	-	-	N	-	-	-	-	-	-	9/1/17	12/15/17	6/13/18	7/13/18
256	2K690	ALA	84	6.9	10.8	2	Pavement Preservation	Alameda Creek (303d)	-	N	-	0	28.36	0	WPCP	E	1/2/19	7/1/20	12/10/20	12/31/21

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
257	2K700	ALA	880	0	12	-	In Alameda County, in Fremont and Union City, from Santa Clara/Alameda County line to 0.20 mile north of Patterson Slough Bridge.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	1/2/19	7/2/20	-	12/31/21
258	2K730	CC	680	12.6	21.2	-	In Contra Costa County from Rudgear Rd Undercrossing to Route 4/680 Separation.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	1/2/19	7/1/20	12/11/20	12/31/21
259	2K750	SCL	152	7.6	10.3	-	In Santa Clara County from 0.3 mile West of Santa Teresa Blvd. to Route 101.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/15/18	8/1/18	3/18/19	3/16/20
260	2K830	ALA	80	5.8	5.8	2	Bridge Replacement	San Francisco Bay and the Angel Island-San Francisco Bay Estuaries Subwatershed	TBD	N	N	TBD	TBD	TBD	SWPPP	TBD	1/1/19	5/1/20	12/1/20	11/1/22
261	2K940	ALA	880	32.6	33.4	-	In Alameda County in the City of Oakland on I-880 PM 32.6/33.4 (Union Pacific Line MP 5.2/5.8).	-	-	N	-	-	-	-	-	-	2/2/18	4/1/19	10/2/19	9/15/20
262	3A580	CC	680	11.2	16.6	2	HOV Lanes	Las Trampas Creek, Tice Creek, San Ramon Creek, Walnut Creek	-	N	-	15	2.7	-	SWPPP	BIOSTP BIOSWL MF-ADS	12/1/14	5/31/17	6/8/17	12/1/18
263	3A790	SOL	80	23	23.1	5	Reconstruction of Interchange	Laguna Creek, Alamo Creek, Ulatis Creek	-	N	-	7.24	4.64	<50%	SWPPP	INDBAS	12/6/17	12/18/18	3/15/18	2/8/19
264	3A860	CC	680	R3.6	R4	2	High Occupancy Vehicle (HOV) Direct Access Ramps	-	Y	N	-	3.25 to 3.5	0.62 to 1.67	60 to 162	SWPPP	BS (number TBD)	12/29/16	7/1/17	1/1/18	3/1/19
265	3E602	SF	101	6.7	8.1	2	Rehabilitate pavement.	San Francisco Bay, Central	N	N	-	0.3	-	-	WPCP	E	3/11/16	11/29/17	7/1/18	12/1/20
266	3E790	SM	101	23.66	23.66	2	Bridge Maintenance Project	San Mateo Creek	N	N	-	0	0	-	WPCP	E	5/13/14	11/6/14	8/19/15	12/29/17
267	3G060	SOL	680	7.7	8.1	2	Storm Damage Repair	Cordelia Slough	Y	N	-	0.38	0.02	<50%	WPCP	E	4/2/15	9/30/15	11/4/16	12/1/17
268	3G070	SON	1	7.21	7.21	1	Place Rock Slope Protection.	Cheney Gulch, Bodega Harbor	N	N	-	0.06	0	<50%	WPCP	E	7/25/14	3/7/16	10/20/16	12/29/17
269	3G080	SON	1	30.5	30.5	1	Slide Damage Repair	-	Y	N	-	1.2	0.15	<50	SWPPP	BIOSWL, 1	6/26/14	6/22/16	12/1/16	12/31/17
270	3G140	NAP	29	36.9	38	2	Curb Ramps Project	Napa River, MS4	N	N	-	0.065	0.01	0.01	WPCP	E	4/29/16	6/29/17	4/2/18	11/1/18
271	3G180	SCL	17	6.9	9.1	2	Install/Upgrade Curb Ramps and Pedestrian Facilities	TBD	TBD	TBD	TBD	0.1	TBD	TBD	WPCP	E	5/31/18	7/17/19	6/10/20	5/18/22
272	3G210	MRN	101	0	4.4	2	ADA Curb Ramp Upgrade	Corte Madera Creek-Frontal San Francisco Bay Estuaries	-	N	-	<1	0.16	-	WPCP	E	2/5/16	5/25/17	12/15/17	10/31/18
273	3G301	CC	680	23.2	24.9	2	Replace Fog Horns, Radar Beacons and Navigational Lights at Various Toll Bridges	-	N	N	-	0	-	-	WPCP	E	12/17/13	6/24/16	5/14/18	5/13/19

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
274	3G305	ALA	84	0	0.7	2	In the City and County of San Francisco and San Mateo County at various locations	San Francisco Bay	-	N	-	0	0	0	WPCP	E	6/30/13	4/24/15	10/2/17	10/1/18
275	3G364	CC	580	6.1	7.8	2	Upgrade electrical substations at the Richmond-San Rafael Bridge (Bridge Number 28-100)	San Francisco Bay-Central (303d)	N	N	-	0	0	-	WPCP	E	6/30/13	6/24/16	9/29/17	9/28/18
276	3G442	SF	80	5.8	7.8	2	Replace Seismic Dampers on SFOBB West Span	San Francisco Bay-Central	N	N	-	0	0	0	WPCP	E	7/3/12	8/1/16	TBD	6/2/18
277	3G444	SF	80	5.9	7.7		SFOBB West Span.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	6/18/13	4/1/18	9/1/18	6/1/19
278	3G462	SOL	680	25.4	0.5	2	Bridge Floor Beam Fatigue Crack Mitigation	Suisun Bay	-	N	-	0	0	-	WPCP	C	6/30/14	5/27/16	2/15/17	7/15/18
279	3G482	SOL	680	0.7	0.7	2	Replace Seismic Joint Header.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	7/3/17
280	3G484	CC	580	6.3	7.7	2	Repaint Bridge Structure	SF Bay-Central	N	N	-	0	0	0%	WPCP	E	7/3/12	7/1/13	6/1/14	2/1/18
281	3G486	SM	92	14.4	18.8		Remove existing paint and apply new layers of paint	-	N	N	-	0.25	-	-	WPCP	E	7/3/12	-	-	-
282	3G602	ALA	680	0	4	2	Pavement Rehabilitation	-	-	N	-	4.53	1.42	0.05	SWPPP	C	4/12/16	6/23/17	1/31/18	12/1/18
283	3G603	ALA	680	0	4	2	Pavement Rehabilitation	Scott Creek, Toroges Creek, Agua Feria, Agua Caliente, Canada Del Allso Creek	-	N	-	4.6	2.9	-	SWPPP	SA OTHER	4/12/16	6/1/17	1/31/18	11/30/18
284	3G630	SCL	9	4.8	5	2	Replace bridge.	Bonjetti Creek, Saratoga Creek	Y	N	-	3.5	2	-	SWPPP	CNTBOX, LNGTBE	2/19/18	8/13/19	10/19/20	10/19/22
285	3G64A	NAP	29	37.03	37.03		In Calistoga at Napa River Bridge No. 21-0018.	Napa River		N	-	-	-	-	-	-	2/9/15	4/15/19	-	3/31/22
286	3G690	SOL	80	13.92	13.92	2	Bridge Deck Replacement	Dan Wilson Creek, Suisun Bay	Y	N	-	0.6	0.03	<50%	WPCP	E	2/22/17	1/2/18	8/3/18	2/1/19
287	3G720	SON	12, 101	R15.6 (12), 19.5 (101)	R19.5 (12), 20.1 (101)	1	Roadside Safety Improvements	Mark West Creek	N	N	-	0	0	0	WPCP	E	6/26/15	6/16/16	12/15/16	12/28/17
288	3G820	CC	242	0.1	1.9	2	Interchange and Local Road Improvements	Pine Creek	N	N	-	17	17	51%	SWPPP	E	10/31/16	2/5/18	3/1/19	TBD
289	3G840	CC	4	20.1	20.1	2	Pedestrian & Bicycle access improvement	Suisun Bay	N	N	-	1.41	0.62	-	SWPPP	E	1/16/17	5/3/18	12/20/18	TBD
290	3G860	SM	101	22.8	26.1	2	Roadway Widening	San Francisco Bay (Lower)	-	N	-	40.5	28.6	-	SWPPP	BIOSTP, BIOSWL	12/1/17	9/1/20	5/5/21	11/1/23
291	3G900	SON	116	46	46.7	2	Roadway Improvement	Sonoma Creek, Yellow Creek	Y	N	-	9.9	4.9	35	SWPPP	C	6/15/17	10/31/18	8/15/19	10/30/20
292	3G960	ALA	61	14.8	16.07	2	Interstate 880 (I-880) Integrated Corridor Management Northern Segment Project (I-880 ICM Northern Segment Project)	-	-	N	-	0.05	-	-	WPCP	E	12/30/13	-	12/15/17	2/1/19

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
293	3G980	SCL	82	8.6	25.8	2	Integrate Bus Rapid Transit (BRT) Support Elements on State Route 82	Los Gatos Creek, Guadalupe River, Saratoga Creek, Stevens Creek, Permanente Creek, Matadero Creek, San Francisquito Creek	N	N	-	-	-	-	-	-	12/31/18	10/2/17	6/14/18	7/2/19
294	3J050	ALA	580	30.81	46.46	2	Install/Upgrade Traffic Management System	Corte Madera Creek	-	N	-	0.2	0.1	0.10%	WPCP	E	10/1/18	4/15/20	11/16/20	11/15/21
295	3J060	SM	101	16.5	23	2	Pavement Preservation (CAPM).	SF BAY	-	N	-	0	0	0	WPCP	E	4/2/18	10/1/19	-	5/1/21
296	3J070	CC	80	10.1	13.5	2	-	Rodeo Creek, San Pablo Bay, Carquinez Strait	-	-	-	-	-	-	-	-	1/2/18	7/1/19	-	4/1/21
297	3J080	SON	101	0.01	0.01	-	On Rte 101 at PM 0.01 in SON County, Near the City of Petaluma. San Antonia Creek Bridge Preservation.	-	-	-	-	-	-	-	-	-	3/30/19	3/30/20	4/15/21	12/1/22
298	3J110	ALA	Var	0	0	2	Crosswalk safety enhancements.	-	-	-	-	-	-	-	-	-	11/1/17	3/1/19	12/30/19	1/4/21
299	3J130	ALA	Var	0	0	2	APS Systems and Pedestrian Countdown Timers	-	-	N	-	0.013	0	0	WPCP	E	10/13/17	11/29/18	3/1/19	5/12/23
300	3J140	CC	4	0	0	2	APS Systems and Pedestrian Count-Down Timers	-	-	N	-	0.013	0	0	WPCP	E	1/2/19	7/1/20	12/31/20	12/31/21
301	4G810	CC	242	1.6	1.6	-	In Concord, at Buchanan Field Viaduct No. 28-0186. Rehabilitate bridge.	Kirker Creek, Mt. Diablo Creek, Pine Creek, Suisun Bay, Walnut Creek	N	N	-	0.2	0	-	WPCP	E	2/12/16	6/2/17	2/26/18	9/28/18
302	4G820	MRN	101	10.6	10.9	2	Replace bridge.	San Rafael Creek, San Francisco Bay	Y	N	-	0.43	0.27	-	SWPPP	C	1/16/17	3/15/18	7/24/18	11/1/19
303	4G830	SCL	85	19.9	20.2	-	In Santa Clara County in Sunnyvale and Mountain View at Stevens Creek Bridge.	Silver Creek and San Francisco Bay-South	N	N	-	0.2	0	-	-	E	12/28/15	1/6/17	8/15/17	12/1/18
304	4G840	NAP	128	19.7	20.7	5	Bridge Rehabilitation.	Delta Waterways (central portion)	Y	N	-	2	0.3	-	WPCP	C	6/16/16	2/1/18	12/31/18	12/31/21
305	4G850	SM	1	44.04	44.04	-	Replace Pedestrian Overcrossing Structure	San Francisco Coastal Hydrologic Area of San Mateo Hydrologic Unit	Y	N	-	0	0	-	WPCP	E	3/3/16	5/11/17	1/22/18	1/20/19
306	4G871	MRN	101	15.4	15.4	-	Bridge Scour	Petaluma River	N	N	-	0.43	0	-	WPCP	E	8/8/16	6/28/17	12/20/17	10/31/18
307	4G872	SOL	80	14.55	14.55	2	Scour Mitigation	TBD	Y	N	Y	TBD	TBD	TBD	TBD	TBD	8/29/18	2/3/20	7/13/20	3/4/21

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
308	4G880	ALA	880	10.7	10.7	2	Seismic Retrofit	Crandell Creek; Coyote Hills Slough, San Francisco Bay – Lower	Y	N	-	1.5	0	-	SWPPP	-	6/3/16	4/30/18	1/24/19	1/24/20
309	4G890	CC	580	5.8	5.8	-	Seismic Retrofit	San Francisco Bay Central	-	N	-	0.1	0	-	WPCP	E	2/19/16	6/29/17	2/28/18	11/30/18
310	4G920	NAP	121	6.4	6.4	2	Repair bridge girders.	Tulucay Creek-Frontal San Pablo Bay Estuaries	N	N	-	0	0	-	WPCP	E	10/19/16	1/31/18	12/7/18	6/3/19
311	4G950	Var	Var	Var	Var	TBD	Upgrade pump houses.	Silver Creek, Guadalupe River, Saratoga River, Los Gatos River, Stevens Creek, Permanente Creek, Matadero Creek, San Francisquito Creek	N	N	-	0.83	0.68	-	WPCP	E	4/28/15	8/29/16	4/27/17	3/15/18
312	4G960	SOL	80	1.1	R25.1	2, 5	Install roadside safety improvements.	Tulucay Creek-Frontal SF Bay Estuaries	N	N	-	0.65	0.65	-	WPCP	E	7/17/15	4/27/16	1/30/17	11/24/17
313	4G970	ALA	Var	Var	Var	2	Pave beyond gore areas.	San Francisco Bay central	N	N	-	2.6	2.6	-	SWPPP	BIOSWL (2)	6/30/16	12/29/16	7/31/17	7/31/18
314	4G980	CC	4	0	31.5	-	construct maintenance vehicle pullouts (MVPs), pave gore areas, and provide vegetation control treatment under guardrails	Frontal San Pablo Bay and Suisun Bay Estuaries.	N	N	-	9.2	9.2	-	SWPPP	C	5/2/16	6/15/17	1/2/18	12/31/18
315	4G990	SCL	85	2	4.5	2	Pave from Shoulder to Soundwall.	None	N	N	-	3.34	1.8	-	SWPPP	C	10/15/15	11/1/16	7/21/17	12/6/17
316	4H000	SCL	101	28.5	40.7	3	Pave Areas Beyond the Gore and Collector Strips	Guadalupe River, Coyote Creek	N	N	-	1.8	1.8	-	WPCP	BIOSWL	12/31/15	1/13/17	7/14/17	10/15/17
317	4H010	ALA	880	20.4	22.9		Roadside Safety Improvement	San Francisco Bay	N	N	-	3	-	-	SWPPP	-	12/23/15	3/1/17	10/25/17	7/18/18
318	4H050	SON	12	25.8	33.3	2	Bridge Scour Mitigation	Calabasas Creek, San Pablo Bay, Sonoma Creek	Y	N	-	0.83	0.2	-	SWPPP	BIOST/BIOSWL	6/1/18	3/1/19	12/1/20	12/31/20
319	4H060	SOL	84	2	3	5	Bridge Preservation.	Sacramento River, Suisun Bay, San Pablo Bay and San Francisco Bay	N	N	-	0.85	0.1	-	SWPPP	E	6/15/18	12/15/19	4/1/21	10/15/21
320	4H080	ALA	238, 580	Var	Var	2	Bridge maintenance.	Sausal Creek – Frontal San Francisco Bay Estuaries	N	N	-	0.6	0.07	-	WPCP	E	9/30/16	4/25/18	3/22/19	3/25/20
321	4H120	ALA	580	0	0	2	BART extension.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	10/1/18	12/1/20	2/1/22	2/3/25
322	4H130	SCL	101	50.7	50.7	3	Construct Pedestrian / Bicycle Overcrossing	San Francisco Bay	Y	N	-	0	0.05	-	WPCP	-	3/21/18	10/17/18	TBD	12/16/20
323	4H160	CC	4	34.9	36.6	-	Widening SR 4	Deer Creek and Dry Creek	Y	N	-	57.8	11.4	-	SWPPP	BIOSWL	3/16/16	7/22/16	11/1/16	5/1/19

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
324	4H170	ALA	84	3.17	3.56	-	Bridge Replacement/ Rehabilitation	-	-	-	-	2.46	-	-	-	-	9/1/15	2/16/17	2/16/17	8/1/18
325	4H222	ALA	580	R41.2	47	2	Rehabilitate pavement/curb ramps.	San Francisco Bay-Central	N	N	-	-	-	-	WPCP	E	5/9/14	3/25/15	9/15/16	9/7/17
326	4H260	ALA	580	41.4	41.5	-	In Oakland, between Fruitvale Avenue/Champion Street and Harold Street /Montana Street.	-	-	-	-	-	-	-	-	-	5/20/15	5/12/16	1/11/17	7/31/18
327	4H280	SCL	237	0.4	3	-	Convert Existing HOV Lane to Express Lane	San Tomas Aquinas Creek, Guadalupe River	Y	N	-	0.9	0.26	-	WPCP	-	6/10/15	3/17/17	2/6/18	2/6/19
328	4H290	SCL	237 101	2.7 3.3	45.4 45.8	-	Interchange and local Street improvements	Sunnyvale West Channel	N	N	-	22		-	WPCP	C	1/20/17	1/7/19	5/21/19	6/8/20
329	4H310	SM	101	0.9	0.9	2	Construct Pedestrian Overcrossing	San Francisquito Creek, San Francisco Bay, South	-	-	-	0.5	-	-	WPCP	-	10/3/16	12/30/16	3/15/17	5/31/18
330	4H360	SM	101	21.4	21.6	2	Interchange for Safety Enhancements and Improve Traffic Operations of Produce Avenue and US 101.	-	-	-	-	NA	NA	NA	NA	NA	10/1/17	2/1/19	TBD	4/1/22
331	4H440	CC	4	-	-	TBD	Construct Mokelumne Trail Bicycle/Pedestrian Overcrossing	-	-	-	-	0	-	-	WPCP	-	11/1/17	10/1/18	4/1/19	6/19/20
332	4H460	SM	101	14.5	14.9	2	Interchange Improvements	San Mateo Creek	N	N	-	7.6	2.5	-	SWPPP	C	12/1/17	12/1/21	TBD	TBD
333	4H610	CC	680	R8.0	25	-	Convert existing HOV Lanes to Express Lanes	Stone Valley Creek, Miranda Creek, San Ramon Creek, Tice Creek, Walnut Creek, Grayson Creek, Vine Hill Creek, Peyton Slough	N	N	-	10.53	3.92	-	SWPPP	C	1/23/17	4/10/17	7/3/17	12/28/18
334	4H710	SM	1	29.1	29.6	2	Highway 1 Traffic Reduction and Safety Improvements, and Traffic Signal.	-	-	-	-	-	-	-	-	-	6/30/17	6/30/19	-	12/31/20
335	4H720	SM	1	27.3	28.5	2	Highway 1 Traffic Reduction and Safety Improvements.	-	-	-	-	-	-	-	-	-	12/31/15	5/31/18	-	12/31/18
336	4H860	SCL	152	6.1	R35.2	3	Install rumble strips.	Coyote Creek, Pacheco Creek	N	N	-	2.45	0	-	WPCP	E	2/5/16	1/3/17	9/6/17	12/28/18
337	4H870	MRN NAP	1 29	3.1 48.0	50.5 48.58	-	Install rumble strips.	Frontal Pacific Ocean, various	N	N	-	-	-	-	WPCP	E	7/14/16	6/23/17	12/20/17	10/31/18
338	4H880	SCL	280	15	15	-	Realign of Northbound Route 280 Off-Ramp	Saratoga Creek, Adobe Creek, Permanente Creek, and Matadero Creek.	N	N	-	0.56	-	-	WPCP	E	3/4/14	12/15/16	6/21/17	10/1/18

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

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		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
339	4H980	MRN	101	4.75	5.6	2	Install concrete barrier	San Francisco Bay	N	N	-	0.96	0.96	-	WPCP	E	4/15/17	3/15/18	12/12/18	8/1/19
340	4J020	SCL	17	3.1	3.1	2	Construct Rock Slope Protection and Repair Drainage System.	Lexington Reservoir	N	N	-	0.03	0	0	WPCP	E	3/1/18	4/16/19	7/17/19	9/27/23
341	4J030	SCL	101	0.8	0.8	2	Inject foundation grout, construct rock slope protection, and install drainage system.	Camadero Creek, Pajaro River, Tar Spring	N	N	-	0.02	0	-	WPCP	E	9/3/18	8/28/19	5/4/20	5/3/21
342	4J040	SOL	680	1.9	2	2	Repair Slipouts on the Cut Slope Along Southbound Rte 680.	Suisun Marsh Wetlands	-	-	-	-	-	-	-	-	3/1/18	4/16/19	7/17/19	9/27/23
343	4J060	SM	1	32.1	32.2	2	Repair Box Culvert Remove RSP and Soil from the Box Culvert.	San Gregorio Creek, Pacific Ocean	Y	N	-	0.2	0	0	WPCP	-	3/19/18	4/22/19	10/23/19	10/3/23
344	4J210	NAP	121	18.59	18.59	-	Bridge Substructure Rehabilitation	Capell Creek, Lake Berryessa	-	N	-	<1	-	-	WPCP	-	9/1/18	2/1/20	10/30/20	12/1/21
345	4J260	ALA	13	4.8	5	2	Plant establishment and biological monitoring.	Lion Creek, Horseshoe Creek	-	-	-	-	-	-	-	-	10/28/14	5/31/18	12/28/18	1/25/22
346	4J280	SCL	82	9.8	14.4	2	Pavement rehabilitation.	Saratoga Creek and San Francisco Bay	N	N	-	0.2	0	-	WPCP	E	7/14/17	11/1/18	9/11/19	6/1/21
347	4J290	SCL	152	6.9	6.9	3	Install Single Lane Roundabout.	-	-	-	-	-	-	-	-	-	2/2/17	2/2/17	-	3/1/18
348	4J330	SCL	280	6.9	7.2	-	Route 280 at Lawrence Expwy NB Off Ramp at Stevens Creek Blvd	-	-	-	-	-	-	-	-	-	10/11/17	8/17/17	-	10/17/18
349	4J340	CC	80	0	10.1	-	Coldplane and Overlay with MBGR and Gore paving	Wildcut Creek, San Pablo Creek, Pinole Creek, Refugeo Creek, San Pablo Bay	N	N	-	2.2	2.2	-	SWPPP	C	10/9/15	2/24/17	7/28/17	3/29/19
350	4J390	SF	101	0	4.24	-	Drainage improvements, overlay the existing asphalt concrete pavement with OGFC pavement, and groove the existing PCC pavement	San Mateo Creek-frontal San Francisco Bay Estuary	N	N	-	61	59.62	-	SWPPP	E	10/1/18	2/1/20	10/1/20	10/1/21
351	4J420	MRN	101	0.2	0.2	2	Install Flood Gates and Modify Box Culvert	Arroyo Corte Madera Del Presidio, Corte Madera Creek, Coyote Creek	N	N	-	0.08	0	-	WPCP	E	5/21/18	7/8/19	10/7/19	12/19/23
352	4J460	SON	116	11.8	12.169	-	Install APS and upgrade curb ramps 7 sidewalks	Alameda Creek	N	N	-	<1	<1	-	WPCP	E	8/8/18	1/17/24	2/28/24	5/10/28
353	4J490	ALA	13	6.5	7.5	2	Outer Separation Barrier	San Lorenzo Creek-Frontal San Francisco Bay Estuaries	N	N	-	3	TBD	-	WPCP	C	4/28/17	5/4/18	2/6/19	2/5/20
354	4J540	ALA	880	27.1	27.32	-	In ALA County on I-880 Southbound Between PM 27.10 and 27.32	-	-	N	-	-	-	-	-	-	6/30/18	6/30/19	4/8/20	5/15/21

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
355	4J710	CC	580	0	4.8	2	Prepare PS&E to construct bicycle and pedestrian lane on the (Upper Deck) westbound direction at the Richmond/San Rafael Br.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	7/5/16	10/15/16	9/18/17
356	4J730	ALA	880	20.9	20.9	-	In ALA County I-880 and Rte 238 Connector.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	7/2/18	2/3/20	11/2/20	12/31/21
357	4J750	ALA	84	0.73	3.06	-	Outer Separation Barrier	Don Edwards San Francisco Bay National Wildlife Refuge, San Francisco Bay-Lower and -South	N	N	-	3.6	3.4	-	SWPPP	C	9/30/18	2/24/20	12/7/20	4/1/22
358	4J790	SF	101	6.7	8.0	2	Streetscape and utility upgrade	San Francisco Bay	N	N	-	2	2	-	SWPPP	Other (not needed)	5/2/16	9/1/16	1/2/17	6/1/18
359	4J890	SCL	82	19.2	26.4	-	Resurface the existing AC	Saratoga Creek-Frontal San Francisco Bay Estuaries	N	N	-	<1.0	<1.0	-	WPCP	E	7/27/18	9/12/19	12/13/19	2/23/24
360	4J930	SCL	101	0	52.5	-	In Santa Clara County, on Route 101 at Various Locations.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	7/26/18	9/11/19	12/13/19	2/27/24
361	4J970	SF	101	2	4.2	-	In SF on Highway 101 Between PM 2.0 and 4.2.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	8/2/18	-	-	3/5/24
362	4J980	ALA SCL	Var	Var	Var	-	Stormwater Treatment BMPs	San Leandro Creek, Old Alameda and Alameda Creeks, Coyote Creek, San Francisco Bay-Central	N	N	-	2.6	-	-	SWPPP	Other (not needed)	7/31/18	9/16/19	12/18/19	3/1/24
363	4K090	SM	84	25.8	27	-	In Menlo Park on Route 84 at Chrysler Drive Intersection	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	10/28/16	11/30/16	4/1/17	8/30/18
364	4K210	SM	35	13.13	13.13	-	In San Mateo County, near Sky Londa, at 0.1 mile north of Bear Gulch Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	9/17/18
365	4K220	CC	680	12.7	17.6	-	In Contra Costa County, in Walnut Creek, from Rudgear Road to Monument Boulevard	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/3/18
366	4K230	SCL	17	5.8	5.8	-	In Santa Clara County, near Los Gatos, at 0.7 mile north of East Main Street.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	9/14/18
367	4K270	SCL	9	0	5	-	In Santa Clara County, near Saratoga, from the Santa Cruz County line to Sanborn road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	9/17/18

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
368	4K280	SM SF	101	17.9 0.0	26.1 1.8	-	Repair AC Pavement including Digouts, Planing, Overlay, Repair Loops Detectors and Delineate	-	N	N	-	-	-	-	WPCP	E	-	-	-	8/29/18
369	4K380	SCL	152	1.5	1.5	-	In Santa Clara County, near Gilroy, at 1.5 miles east of Pole Line road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	7/5/18
370	4K390	SON	1	25.1	25.3	-	Restore damaged road with soldier pile back wall	Salman Creek-Frontal Pacific Ocean Estuaries	N	N	-	0.4	0	-	WPCP	E	-	-	-	7/5/18
371	4K410	SCL	17	3	3.1	-	Drainage Improvements, Curb Ramp Upgrades, and Modify Traffic Signal and Lighting	-	N	N	-	-	-	-	SWPP	C	-	-	-	10/1/18
372	4K430	SON	128	1.3	1.3	-	In Sonoma County, near Cloverdale, at 3.5 east of North Cloverdale Blvd..	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	7/6/18
373	4K450	SON	101	37.1	37.2	-	In Sonoma County, in Healdsburg, at 0.9 mile north of Dry Creek Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	7/11/18
374	4K460	SM	1	17	17.5	-	In San Mateo County, near San Gregorio, at 0.9 mile south of route 92.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	7/11/18
375	4K470	ALA	13	4.4	4.4	-	In Alameda County, in Oakland, at Calaveras Avenue.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	10/4/18
376	4K480	SM	35	9.8	9.9	-	In San Mateo County, near Skylonda, at 0.1 mile north of Chapman Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	7/11/18
377	4K490	MRN	1	1.6	2.5	-	In Marine County, near Muir Beach, from Shasta Way to California Avenue.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	10/8/18
378	4K500	MRN	1	33.4	33.4	-	Construct retaining walls and fish passage opening, remove temp diversion fish passage (cofferdam), all to stabilize erosion scour at SR1 Millerton Gulch Bridge - 14'x7' culvert box	Tomales Bay	Y	N	Y	0.08	-	-	SWPP	E- restoring existing after repairs made	-	-	-	10/8/18
379	4K550	SM	35	11.48	11.48	-	In San Mateo County, near Skylonda, at 0.6 mile north of Morse Lane.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	10/8/18
380	4K560	ALA	185	0.4	3.2	-	In Alameda County, in and near Hayward, from A Street to Plaza Drive	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	10/8/18

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
381	4K570	ALA	880	16.5	18.3	-	In Alameda county, in Hayward, from Route 92 to west A Street.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	10/8/18
382	4K580	ALA	880	20.7	24.1	-	In Alameda county, in San Leandro and Oakland, from 0.8 mile south of Marina Boulevard to 0.3 mile north of 16th Avenue.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	10/8/18
383	4K590	CC	24	8	9.1	-	In Contra Costa county, in Walnut Creek, from Pleasant Hill Road to Route 680	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	11/27/18
384	4K600	CC	80	0	9	-	In Contra Costa County, In El Cerrito, San Pablo, Pinole, and Hercules, from the Alameda County line to the Route 80/4 separation	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	11/27/18
385	4K610	CC	80	10.7	13	-	In Contra Costa, in and near Hercules, from Willow Avenue to 0.3 mile east of Cummings Skyway.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	10/8/18
386	4K620	SCL	152	7.9	9.4	-	In Santa Clara County, in Gilroy, from Santa Teresa Boulevard to Monterey Road	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	10/8/18
387	4K640	SCL	35	9.5	10.5	-	Emergency Slide Repair	-	N	N	-	0.5	0.13	-	WPCP	N	-	-	-	10/4/18
388	4K660	SON	1	31.4	31.9	-	In Sonoma County, at Font Ross, at 1.1 miles south of Fort Ross Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	10/4/18
389	4K680	SCL	130	9.3	9.3	-	In San Clara County, near san Jose, at 2.0 miles west of Quimby Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	11/7/18
390	4K690	MRN	1	7.6	7.6	-	In Marin county, near Muir Beach, at 0.2 mile north of Cold Streamfire Road	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	11/26/18
391	4K790	SCL	101	52.2	52.2	-	In Santa Clara County, in Palo Alto, at Embarcadero Road	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/12/18
392	4K800	SCL	35	10.5	10.5	-	In Santa Clara County, near Los Gatos, at 1.2 miles north of Las Cumbres Road	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/18/18
393	4K810	ALA	80	0	0	-	In Alameda County at the EB80/EB580, WB580/WB80 and WB80/SB880 Connector Ramps	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	1/1/19	5/1/20	2/1/21	11/1/22
394	4K820	MRN	1	6.6	6.6	-	In Marin Count, at Muir Beach, 0.3 mile north of Seascape Drive	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	11/21/18

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
395	4K870	MRN	101	21.7	22	-	In Marin County, in Novado, from 0.2 mile south to 0.9 mile north of Atherton Avenue	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/3/18
396	4K890	SM	84	8.5	10	-	Storm Damage Repair: RSP	-	-	N	-	0.001	0.001	-	-	-	-	-	-	12/3/18
397	4K900	SM	84	12	12.5	-	In San Mateo County, near Slylonda, from 3.9 miles to 3.1 miles west of Grandview Drive	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/4/18
398	4K920	ALA	580	36.8	38.5	-	Storm Damage project	San Lorenzo Creek	N	N	-	0.05	0.02	-	WPCP	N	-	-	-	12/12/18
399	4K930	SCL	35	12.4	12.4	-	In Santa Clara County, near Los Gatos, at 3.2 miles north of Las Cumbres Road.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/4/18
400	4K940	SOL	113	4	17	-	In Solano County, near Dixon, from Creed Road to Midway Road	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/3/18
401	4K960	SON	116	39.9	40.1	-	In Sonoma County, near Petaluma, from 0.6 mile to 0.9 mile east of Lakeville Highway	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	-	-	12/3/18
402	4K970	SCL	87	5.5	0	-	in Santa Clara County, in the City of San Jose, on Rt. 87 Off Ramps, overpass I-280/87 N interchange. 87 SB Off Ramp at Julian St. 87 NB Off Ramp at ST James St. 87 NB Off Ramp at Santa Clara St. 280/87 NB Overpass at San Carlos St.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	-	6/14/17	-	9/27/18
403	4S660	MRN	1	8.1	8.1	2	Storm damage repair, retaining wall	Muir Beach, Pacific Ocean	N	N	-	0.2	0.05	-	WPCP	N	9/17/15	1/13/17	6/26/17	12/28/18
404	4S780	MRN	1	24.7	24.7	2	Replace culvert with a bridge.	Olema Creek	Y	N	-	0.8	0.1	-	WPCP	TBD	7/5/11	11/3/17	7/7/18	12/30/21
405	4S920	SON	1	19.6	19.6	1	Construct retaining wall.	Russian River, Pacific Ocean	Y	N	-	0.2	0.11	-	WPCP	N	5/28/12	10/20/16	4/26/17	12/30/17

Treatment Control Status Legend	
BMP Device Types:	
BIOSTP	Biofiltration Strips
BIOSWL	Biofiltration Swales
C	Under Consideration
CNTBOX	Gross Solids Removal Devices (Inclined Screen)
DETBAS	Detention Basins
DPPIA	Design Pollution Prevention Infiltration Area*
DWFD	Dry Weather Flow Diversion
E	Exempt
INDBAS	Infiltration Basins*
INDTRE	Infiltration Trench*
LNGTBE	Gross Solids Removal Devices (Linear Radial)
MCTT	Multi-chambered Treatment Trains
MF-ADS	Austin Sand Filters
MF-DSF	Delaware Sand Filters
Other	Other (specify type)
SA	Stabilization Areas
TRCSND	Traction Sand Traps
WETBAS	Wet Basins

Table 6-2 lists the planned maintenance projects that will disturb soil.

Table 6-2: District 4 Anticipated Significant Road Maintenance Activities

No.	Co.	Route	Beg PM	End PM	Regional Board	Description	Water Bodies Affected[10]	Other Regional Water Board Permits Required[11]	Potential and Actual Impacts of Project's Discharge[12]	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD/NA)[13]	Post-Construction Treatment Control Type, Quantity[14]	Start Date	Completion Date
1	SM	35	21	23	2	Rubberized Bonded Wearing Course Overlay	NA	NA	NA	0.22	0	NA	WPCP	NA	7/1/2018	12/1/2018
2	NAP	121	Var	Var	2 and 5	Replace Culverts'/ headwalls/down drains (7 locations between PM 12.76/19.16)	TBD	401	NA	0.06	0	NA	WPCP	NA	7/1/2018	11/1/2018
3	NAP	121	Var	Var	5	Replace Culverts/headwalls/down drains (5 locations between PM 20.33/21.68)	Lake Berryessa	401	NA	0.1	0	NA	WPCP	NA	7/1/2018	11/1/2018
4	NAP	121	Var	-	2	Replace Culverts/headwalls/ down drains (4 locations between PM 7.86/11.6)	TBD	401	NA	0.1	0	NA	WPCP	NA	7/1/2018	11/1/2018
5	SOL	80	41.3	41.3	5	Slope Paving at Kidwell Road Overcrossing	NA	NA	NA	0.002	0	NA	TBD	NA	7/1/2018	11/1/2018
6	SOL	80	17.02	17.02	5	Backfill Slope at Ledgewood Creek	TBD	TBD	NA	0.005	0	NA	TBD	NA	7/1/2018	11/1/2018

[10] Receiving waters within or adjacent to maintenance activity designated as "303(d) (constituent type)." Activity adjacent to Drinking Water Reservoir or Ground Water Recharge Facilities designated as "DW."
[11] Regional Water Board Permits required other than Construction General Permit, such as Clean Water Act Section 401 water quality certification, Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.
[12] This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.
[13] A description of the Construction Controls is available in the project's Stormwater Pollution Prevention Plan (SWPPP), Water Pollution Control Plan (WPCP), is To Be Determined (TBD) if the Disturbed Soil Area is unavailable, or is Not Applicable (NA) because there is no Disturbed Soil Area associated with the project.
[14] Treatment Control Status identified by: device type/number of devices, exempt ("E"), or under consideration ("C"). See Treatment Control Status Legend below for device type abbreviations.

Treatment Control Status Legend	
BMP Device Types:	
BIOSTP	Biofiltration Strips
BIOSWL	Biofiltration Swales
C	Under Consideration
CNTBOX	Gross Solids Removal Devices (Inclined Screen)
DETBAS	Detention Basins
DPPIA	Design Pollution Prevention Infiltration Area*
DWFD	Dry Weather Flow Diversion
E	Exempt
INDBAS	Infiltration Basins*
INDTRE	Infiltration Trench*
LNGTBE	Gross Solids Removal Devices (Linear Radial)
MCTT	Multi-chambered Treatment Trains
MF-ADS	Austin Sand Filters
MF-DSF	Delaware Sand Filters
Other	Other (specify type)
SA	Stabilization Areas
TRCSND	Traction Sand Traps
WETBAS	Wet Basins

Table 6-3 lists the District's planned monitoring activities.

Table 6-3: District 4 Monitoring Activities

Statewide Monitoring Program Activities
ASBS Core Monitoring Sites
District sites include the following: • 6 Core Monitoring sites
ASBS Ocean Receiving Water and Reference Monitoring Sites
District sites include the following: • 2 Ocean Receiving Water sites
TMDL Monitoring Sites
District sites include the following: • 7 Monitoring sites

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7 Region-Specific Activities

Section 7 of the DWP identifies the applicable region-specific activities that District 4 has planned for the fiscal year 2018-19 to comply with Attachment V of the Conformed NPDES Permit.

North Coast Region

Activities to Address Sediment Sources within Sediment Impaired Watersheds

Caltrans will prepare an inventory of sources of excess sediment and quantify the discharge or threatened discharge in the North Coast RWQCB jurisdiction per Attachment V of the Caltrans NPDES Permit.

Per Attachment V of the amended Caltrans NPDES Permit, the inventory and prioritization step is not required if Caltrans is implementing the requirements of Attachment IV for sediment TMDLs, as the given reaches have already been prioritized within the context of statewide implementation. Per Attachment IV of the amended permit, Caltrans is required to submit a plan and schedule for conducting a stream crossings survey for Napa River and Sonoma Creek watershed with the TMDL Status Review Report. Caltrans complied with this requirement by submitting the workplan for the Stream Crossings Survey for Napa River and Sonoma Creek as part of the TMDL Status Review Report that was submitted in October 2015. Caltrans intends to submit an updated workplan based on analysis and field work as part of the TMDL Status Review Report to the SWRCB in October 2017.

Notification to North Coast RWQCB: Routine Maintenance Work within the North Coast RWQCB Jurisdiction

Table 7-1 below has been included as a notification of upcoming work over water. Many of the projects will not result in disturbed soil areas. Standard Caltrans BMPs combined with the Caltrans Maintenance Staff Guide will be implemented in an effort to avoid and minimize the potential for sediment discharges and/or to implement temporary erosion control measures. Table 7-1 lists anticipated routine maintenance work within the North Coast RWQCB jurisdiction.

Riparian Vegetation Removal

TMDL activities will be implemented in accordance with Attachment IV of the Caltrans NPDES Permit. Region specific requirements will be implemented in accordance with Attachment V of the Caltrans NPDES Permit. Implementation of Attachments IV and V have not commenced pending ongoing negotiations between Caltrans, the SWRCB, and the RWQCBs.

San Francisco Bay Region

Trash Load Reduction

Caltrans conducted an on-land visual assessment to identify areas that are generating very-high and high trash deposits. The assessment used a methodology like the methods used by local municipalities such that there are four trash generation areas categories: low, medium, high, and very high. Out of 1,100 centerline miles of roadway and 886 highway ramps, the field assessment identified approximately 24.1 highway centerline miles and 116 highway ramps that have high and very-high trash generation rates. Caltrans submitted a Trash Reduction Work Plan in June 2016. San Francisco Bay RWQCB issued an NOV of the Conformed NPDES Permit, for failure to demonstrate Timely Implementation of Trash Control Measures in December 2016.

In the February 2017 response to the NOV, Caltrans outlined the actions it would take to demonstrate timely implementation of trash control measures in high trash generating areas within the following identified high trash generating areas:

- Freeway on- and off-ramps in high density residential, commercial and industrial land uses.
- Rest areas and park-and-rides.
- State highways in commercial and industrial land use areas.
- Other freeway segments as identified by maintenance staff and/or trash surveys.

Caltrans will continue to implement the following actions outlined in the February 2017 response to NOV:

- Conduct joint visual assessments with MS4 permittees to reach consensus on the methodology to designate High, Medium and Low trash generation areas and revise the designations where needed. The revised visual assessment designations will be used to prioritize implementation of:
    - Full trash capture systems through drainage system retrofits within the right-of-way
    - Full trash capture systems through drainage system retrofits outside the right-of-way in partnership with local MS4s that will treat both Caltrans and local MS4 watersheds
    - Source control measures and control measures (enhanced manual pick up and street sweeping within the right-of-way, or cleanup efforts in partnership with local MS4s)
    - Public education efforts
- Continue Stormwater Treatment Feasibility Studies throughout the District (complete Phase 1 by December 2017, Phase 2 by December 2018, and Phase 3 by December 2020) to identify opportunities for implementing stormwater treatment/full capture system retrofits within the right-of-way, or outside the right-of-way through partnerships with local (MS4) permittees.
- Develop Project Initiation Reports for programming stormwater treatment/full trash capture systems retrofits for candidate projects (identified through Phase 1, Phase 2 and Phase 3 studies and partnerships with MS4 permittees for work outside the right-of-way) into the 2017 State Highway System Management Plan (Ten Year Plan) by June 30, 2019.
- Continue implementation of a pilot project on sections of Interstate 880 in Alameda County that proposes to evaluate full trash capture system technologies for incorporation into the Caltrans-approved BMP toolbox.
- Continue to implement source control measures, such as public education and outreach programs, litter pickup and street sweeping efforts.
- Develop a strategy to enhance implementation of street sweeping and manual pickup efforts by establishing a baseline for ongoing efforts in the designated high trash generation areas, and proposing enhancement of these measures above and beyond the established base line effort.
- Develop a crediting mechanism for source control trash reduction measures.

Stormwater Pump Stations

Caltrans will continue to inspect and monitor pump stations in the San Francisco Bay Region pursuant to Region Specific Requirements, Attachment V Part 2 Sections 2 b, c, d of Caltrans NPDES Permit, Order No. 2012-0011-DWQ NPDES.

Pump stations within District 4's jurisdiction were evaluated to determine the locations with the greatest probability of discharging runoff with low dissolved oxygen (DO) to the local waterways. Data obtained from the Caltrans District 4 Pump Station Inventory was used to perform this evaluation. The inventory which was completed during fiscal year 2013-2014 consisted of a total of 62 pump stations within District

4's jurisdiction in Region 2, including locations and key characteristics such as receiving water body, catchment area, and wet weather storage capacity. To prioritize these pump stations for monitoring, the key characteristics and the geographic locations were considered.

Per the Caltrans NPDES permit, Attachment V, Part 2, Provision 2b, Caltrans inspected and collected DO data from 20 percent of the pump stations annually from the priority list. The inspection and monitoring results were reported in the Annual Report. Fiscal year 2018-2019 will be the fourth of five years of inspection and monitoring, at which time, 80 percent of the pump stations on the priority list will have been inspected and monitored for DO.

Fiscal year 2018-2019 will be the last year for this monitoring effort. Unless there is a need to perform any corrective actions, the permit requirement to monitor all pump stations within District 4 and the jurisdiction of Region 2 will be completed.

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Table 7-1: District 4 Maintenance Notification to North Coast Regional Water Quality Control Board

Project Location											Construction Period	
No.	**EA**	**CO**	**RTE**	**BEGIN PM**	**END PM**	**RWQCB**	**Water Bodies Within or Adjacent to Project Limits**	**Maintenance Activities**	**Disturbed Soil Area (acres)**	**Water Pollution Control Strategy (BMPs)**	**Start Date**	**End Date**
BRIDGE MAINTENANCE PROJECTS												
1	1K5800 0416000268	SON	101, 128	R51.62	R54.21 6.44	1	Various	In Sonoma County on Route 101 at Structure #20-0251R Central Cloverdale UC, treat bridge deck with methacrylate. On Route 101/128 Separation, Structure #20-0262, treat bridge deck with methacrylate, and paint bridge ID on Abutments 1 and 2. On Route 101 Structures #20-0200, 20-0245, 20-0039 and 20-0164K, repair / replace AC approach slabs.	0	Water Pollution Control Plan (Chapter 13 of Caltrans Standard Specifications); Caltrans Maintenance Staff Guide.	04/20/18	04/20/21
2	0P5900 04-1700-0478	SON	121 101 12	R7.30 15.53 R15.30	R7.31 29.35 R17.10	1	Various	In Sonoma County on multiple bridges on Routes 121, 101, 12. The purpose of this project is to treat bridge deck with methacrylate, repair potholes in the AC approach slabs, and paint bridge ID. On Route 121, Structure #20-0022 Sonoma Creek. On Route 101, Structures #20-0171K Santa Rosa Avenue On-Ramp OC, #20-0172 Todd Road OC, and #20-0184R Windsor Lane UC. On Route 12, Structure #20-0203R Dutton Avenue UC, #20-0204R South Santa Rosa OH, #20-0209R Santa Rosa Avenue UC, and #20-0217R Brigham Avenue UC.	0	Water Pollution Control Plan (Chapter 13 of Caltrans Standard Specifications); Caltrans Maintenance Staff Guide.	04/19/19	04/20/22

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8 DWP Noncompliance and Improvements

Section 8 of the DWP identifies the deviations that occurred from the prior DWP that resulted or will result in noncompliance with the Conformed NPDES Permit or SWMP. In addition, it describes the improvements that were performed in response to the incidents of noncompliance. Table 8-1 identifies those incidents of noncompliance and the resulting improvements that District 4 implemented to address each incident.

Table 8-1: District 4 Prior DWP Noncompliance Incidents and Improvements

Summary of Noncompliance Incidents	Summary of Improvements
San Francisco Bay RWQCB issued a NOV of the Conformed NPDES Permit, for failure to demonstrate Timely Implementation of Trash Control Measures in December 2016.	In the February 2017 response to the NOV, Caltrans outlined the actions it would take to demonstrate timely implementation of trash control measures within high trash generating areas as outlined in Section 7.

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